L Number	Hits	Search Text	DB	Time stamp
1	1	PARRISH-MATTHEW.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:20
2	7	DECIME-JERRY-B.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:30
3	9	HEWLETT-PACKARD WITH COMPANY.AS. AND (track$3 with web)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:33
4	2	URL$1! with (image near3 (tag or anchor)) with (user$1! or client$1! or operator$1! or subscriber$1!) adj (information or id or data or identifier or identification or account or password)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:43
5	2	(refence$1! or redirect$3 or URL$1! or address$2 or locator$1!) with (image near3 (tag or anchor)) with (user$1! or client$1! or operator$1! or subscriber$1!) adj (information or id or data or identifier or identification or account or password)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:45
6	9	(response or command$1! or refence$1! or redirect$3 or URL$1! or address$2 or locator$1!) with (image near3 (tag or anchor)) with (user$1! or client$1! or operator$1! or subscriber$1!) adj (information or id or data or identifier or identification or account or password)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:46
12	0	((file or page or document) near5 (found or exist$3 or retriev$3 or obtain$3) with error same (IMG near4 (tag or anchor))) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:21
13	237	((embed$3 or insert$3 or encapsulat$3) with ((user adj information) or ((application or platform or client or computer or (operation adj system) or tool or engine))) with (id or identifier or identification or account) with (page or file or document)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:24
14	0	((embed$3 or insert$3 or encapsulat$3) with ((user adj information) or ((application or platform or client or computer or (operation adj system) or tool or engine))) with (id or identifier or identification or account) with (page or file or document)) same ((image or IMG) near4 (tag or anchor))and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:25
16	0	(707/(3,10).ccls.) and ((file or page or document) adj3 (found or exist$3 or retriev$3 or obtain$3) with ((error adj log) or (log adj file)) same (IMG near4 (tag or anchor))) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:27
15	78	(707/(3,10).ccls.) and (file or page or document) adj3 (found or exist$3 or retriev$3 or obtain$3) with ((error adj log) or (log adj file)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:30
17	1	(URL$1 or command$1! or redirect$4 or response or page or document$1! or content$1! or file$1!) with ((image or IMG) near4 (tag$1! or anchor$1!)) with (error or non-exist$3 or ((non or "not") adj exist$3)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:34

L Number	Hits	Search Text	DB	Time stamp
18	33	(((709/(203,217,219,223,224)).ccls.)) and (file or page or document) adj3 (found or exist$3 or retriev$3 or obtain$3) with ((error adj log) or (log adj file)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 11:11
-	168	((embed$3 or insert$3 or encapsulat$3) with ((user adj information) or ((application or platform or client or computer or (operation adj system) or tool or engine))) with (id or identifier or identification) with (page or file or document)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:22
-	3	(web adj (page$1! or document$1! or file$1!)) with (embed$4 or encapsulat$3 or attach$3 or append$3) adj3 ((user adj information) or account or profile)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 15:45
-	23	(web adj (page$1! or document$1! or file$1!)) with (embed$4 or encapsulat$3 or attach$3 or append$3) adj7 ((user adj information) or account or profile)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 16:13
-	5	((web adj (page$1! or document$1! or file$1!)) with (embed$4 or encapsulat$3 or attach$3 or append$3) adj7 ((user adj information) or account or profile)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 15:50
-	26	(web adj (page$1! or document$1! or file$1!)) with (embed$4 or encapsulat$3 or attach$3 or append$3) adj7 ((user or client or operator) adj (id or identifier or identificaiton or information) or account or profile)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 16:15
-	5	(web adj (page$1! or document$1! or file$1!)) with (embed$4 or encapsulat$3 or attach$3 or append$3) adj7 ((user or client or operator) adj (id or identifier or identificaiton or information) or account or profile) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 16:16
-	18	(web adj (page$1! or document$1! or file$1!)) with URL adj7 ((user or client or operator) adj (id or identifier or identificaiton or information) or account or profile) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 16:16

```
### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009998...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
 ******** HHHHHHHH SSSSSSSS?
### Status: Signing onto Dialog
 ********
ENTER PASSWORD:
 ******** HHHHHHHH SSSSSSSS? ********
Welcome to DIALOG
### Status: Connected


Dialog level 04.13.01D

Last logoff:  02may04 12:24:16
Logon file405 24sep04 11:30:47
            *** ANNOUNCEMENT ***
                  ***
--Connect Time joins DialUnits as pricing options on Dialog.
See HELP CONNECT for information.
                  ***
--SourceOne patents are now delivered to your email inbox
as PDF replacing TIFF delivery. See HELP SOURCE1 for more
information.
                  ***
--Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                  ***
NEW FILES RELEASED
***F-D-C Gold/Silver Sheet (File 184)
***BIOSIS Toxicology (File 157)
***IPA Toxicology (File 153)
                  ***
UPDATING RESUMED
                  ***
RELOADED
***Toxfile (File 156)

REMOVED
                  ***


    >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
    >>>    of new databases, price changes, etc.      <<<
                  ****
* * * *
SYSTEM:HOME
Cost is in DialUnits
Menu System II: D2 version 1.7.9 term=ASCII
                  *** DIALOG HOMEBASE(SM) Main Menu ***


  Information:
   1.  Announcements (new files, reloads, etc.)
   2.  Database, Rates, & Command Descriptions
   3.  Help in Choosing Databases for Your Topic
   4.  Customer Services (telephone assistance, training, seminars, etc.)
   5.  Product Descriptions

  Connections:
   6.  DIALOG(R) Document Delivery
   7.  Data Star(R)
```

```
     /H = Help            /L = Logoff           /NOMENU = Command Mode
```

Enter an option number to view information or to connect to an online
 service. Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).
?b compsci

        24sep04 11:31:07 User264796 Session D29.1
              $0.00   0.200 DialUnits FileHomeBase
      $0.00   Estimated cost FileHomeBase
      $0.08   TELNET
      $0.08   Estimated cost this search
      $0.08   Estimated total session cost   0.200 DialUnits

SYSTEM:OS - DIALOG OneSearch
   File   2:INSPEC 1969-2004/Sep W2
           (c) 2004 Institution of Electrical Engineers
*File   2: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
   File   6:NTIS 1964-2004/Sep W3
           (c) 2004 NTIS, Intl Cpyrght All Rights Res
   File   8:Ei Compendex(R) 1970-2004/Sep W2
           (c) 2004 Elsevier Eng. Info. Inc.
   File   34:SciSearch(R) Cited Ref Sci 1990-2004/Sep W3
           (c) 2004 Inst for Sci Info
   File   35:Dissertation Abs Online 1861-2004/Aug
           (c) 2004 ProQuest Info&Learning
   File   65:Inside Conferences 1993-2004/Sep W3
           (c) 2004 BLDSC all rts. reserv.
   File   92:IHS Intl.Stds.& Specs. 1999/Nov
           (c) 1999 Information Handling Services
*File 92: This file temporarily not updating.
   File   94:JICST-EPlus 1985-2004/Aug W4
           (c)2004 Japan Science and Tech Corp(JST)
   File   95:TEME-Technology & Management 1989-2004/Jun W1
           (c) 2004 FIZ TECHNIK
*File   95: Customers in Germany, Austria, and Switzerland
should contact their local Dialog representative.
   File   99:Wilson Appl. Sci & Tech Abs 1983-2004/Aug
           (c) 2004 The HW Wilson Co.
   File 103:Energy SciTec 1974-2004/Aug B2
           (c) 2004 Contains copyrighted material
*File 103: For access restrictions see Help Restrict.
   File 144:Pascal 1973-2004/Sep W2
           (c) 2004 INIST/CNRS
   File 202:Info. Sci. & Tech. Abs. 1966-2004/Sep 09
           (c) 2004 EBSCO Publishing
   File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
           (c) 2003 EBSCO Pub.
   File 239:Mathsci 1940-2004/Nov
           (c) 2004 American Mathematical Society
   File 275:Gale Group Computer DB(TM) 1983-2004/Sep 24
           (c) 2004 The Gale Group
   File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
           (c) 1998 Inst for Sci Info
   File 647:CMP Computer Fulltext 1988-2004/Sep W2
           (c) 2004 CMP Media, LLC
   File 674:Computer News Fulltext 1989-2004/Aug W4
           (c) 2004 IDG Communications
   File 696:DIALOG Telecom. Newsletters 1995-2004/Sep 23
           (c) 2004 The Dialog Corp.

        Set Items Description
        --- ----- -----------
?s (user? or application? or OS or (operation(w)system) or platform or computer? or clien
t? or subscriber? or operator?)
Processing
Processing

```
Processed  10 of  20 files ...
Processing
Processing
Processed  20 of  20 files ...
Completed processing all files
          1690815  USER?
          6883878  APPLICATION?
           255851  OS
          2010239  OPERATION
         11661247  SYSTEM
             4885  OPERATION(W)SYSTEM
           321896  PLATFORM
          5381745  COMPUTER?
           355241  CLIENT?
           138353  SUBSCRIBER?
           996935  OPERATOR?
      S112547993   (USER? OR APPLICATION? OR OS OR (OPERATION(W)SYSTEM) OR
                    PLATFORM OR COMPUTER? OR CLIENT? OR SUBSCRIBER? OR
                    OPERATOR?)
?s s1(5n)(id or identifier or identification or account or password or name or label)
Processed  10 of  20 files ...
Processing
Processing
Processed  20 of  20 files ...
Completed processing all files
         12547993  S1
            70340  ID
            29976  IDENTIFIER
          1111684  IDENTIFICATION
          1088096  ACCOUNT
            31056  PASSWORD
           277820  NAME
            98794  LABEL
      S2     86970  S1(5N)(ID OR IDENTIFIER OR IDENTIFICATION OR ACCOUNT OR
                    PASSWORD OR NAME OR LABEL)
?s s2 (s) ((embed???? or attatch??? or insert??? or includ??? or encapsulat???) (4n) (URL
? or dodument? or page? or file? or redirect???? or command? or response) (5n) ((image or
IMG)(3w)(tag? or anchor?)))
Processed  10 of  20 files ...
Processing
Completed processing all files
            86970  S2
           432489  EMBED????
              103  ATTATCH???
           436509  INSERT???
          5834367  INCLUD???
           111567  ENCAPSULAT???
            20910  URL?
                6  DODUMENT?
           743591  PAGE?
           600455  FILE?
            19562  REDIRECT????
           392733  COMMAND?
          2633806  RESPONSE
          1676243  IMAGE
             1637  IMG
           203703  TAG?
           113061  ANCHOR?
      S3        0  S2 (S) ((EMBED???? OR ATTATCH??? OR INSERT??? OR
                    INCLUD??? OR ENCAPSULAT???) (4N) (URL? OR DODUMENT? OR
                    PAGE? OR FILE? OR REDIRECT???? OR COMMAND? OR RESPONSE)
                    (5N) ((IMAGE OR IMG)(3W)(TAG? OR ANCHOR?)))
?s s2 (s) ((embed???? or attatch??? or insert??? or includ??? or encapsulat???) (7n) (URL
? or dodument? or page? or file? or redirect???? or command? or response) (s) ((image or
IMG)(3w)(tag? or anchor?)))
Processed  10 of  20 files ...
Processing
Completed processing all files
            86970  S2
```

```
       432489   EMBED????
          103   ATTATCH???
       436509   INSERT???
      5834367   INCLUD???
       111567   ENCAPSULAT???
        20910   URL?
            6   DODUMENT?
       743591   PAGE?
       600455   FILE?
        19562   REDIRECT????
       392733   COMMAND?
      2633806   RESPONSE
      1676243   IMAGE
         1637   IMG
       203703   TAG?
       113061   ANCHOR?
   S4        1  S2 (S) ((EMBED???? OR ATTATCH??? OR INSERT??? OR
                INCLUD??? OR ENCAPSULAT???) (7N) (URL? OR DODUMENT? OR
                PAGE? OR FILE? OR REDIRECT???? OR COMMAND? OR RESPONSE)
                (S) ((IMAGE OR IMG) (3W) (TAG? OR ANCHOR?)))
?t s4/6,k/all
```

4/6,K/1   (Item 1 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01522280   SUPPLIER NUMBER: 12335096   (USE FORMAT 7 OR 9 FOR FULL TEXT)
MacUser minifinders: 1001 Macintosh products. (Buyers Guide)
August, 1992
WORD COUNT: 77991   LINE COUNT: 06173

...   480 pixels. Version 1.1 reviewed. Version 1.21 shipping. Requires
Mac II series. $995. **Computer** Friends, Inc., 14250 N.W. Science Park Dr.,
Portland, OR 97229. 800-547-3303 or...size is large enough for most
professional applications, but the 82-dpi resolution produces an **image**
that may appear too condensed. Sharpness, focus, and color quality are
excellent. Includes Stepping Out...to interpret user queries. Interface is
often confusing. Provides basic charting and simple animations. Imports
files in many formats, **including** Excel 3.0, WKS, WK1, DBF, DIF, SYLK,
and text files using standard database delimiters...
```
?s URLs (5n) (broken or error)(4n) (image? or figure? or picture?)
         7149   URLS
       112103   BROKEN
      1050892   ERROR
      2278671   IMAGE?
       422936   FIGURE?
       419077   PICTURE?
   S5        5  URLS (5N) (BROKEN OR ERROR)(4N) (IMAGE? OR FIGURE? OR
                PICTURE?)
?t s5/6,k/all
```

5/6,K/1   (Item 1 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02502580   SUPPLIER NUMBER: 74494340   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mend Your E-Mail's Broken Links.(Product Support)(Column)
June, 2001
WORD COUNT: 1581   LINE COUNT: 00121

...   have prevented line-wrap from breaking my link by posting the
message in HTML format. **FIGURE** 1 shows two long **URLs** an e-mail message:
one **broken** , and one that works. Some mailing-list subscribers oppose
receiving any format other than plain...

5/6,K/2   (Item 2 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01976981   SUPPLIER NUMBER: 18651159
WEB Office -- all the tools needed to build a Web site. (Blue Sky Software)

(Technology Front) (Software Review)(Evaluation)(Column)
Sep, 1996

...ABSTRACT: called Web Doctor is especially valuable. Web Doctor lets a
user check a system for **broken** links, missing **images** and external **URLs**
, as well as for suspect images and pages. WEB Office is recommended for
both the...

5/6,K/3   (Item 1 from file: 647)
DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

01178776   CMP ACCESSION NUMBER: NWC19981115S0020
Site Management: Content Analyzers Trip the Link Fantastic
PUBLICATION DATE: 981115
WORD COUNT: 2790

...   for modem, ISDN and T1 based on file and page size. Other sections
include an **image** gallery complete with thumbnails, **broken** links,
orphaned **URLs** (links that cannot be reached from another link) and lists
of links with low-level...

5/6,K/4   (Item 2 from file: 647)
DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

01100747   CMP ACCESSION NUMBER: NTG19960801S0072
Choosing the Right Tool for Web Management
PUBLICATION DATE: 960801
WORD COUNT: 3836

...   of its findings in your browser.
      The report itself covers much of the usual errors: **broken** links,
missing   **images** , external **URLs** (which are hyperlinked so you can check
them manually), along with alphabetical listings of all...

5/6,K/5   (Item 3 from file: 647)
DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

01089373   CMP ACCESSION NUMBER: WIN19960601S0064
Web Software (In Brief)
PUBLICATION DATE: 960601
WORD COUNT: 244

...   links. The WaveFront graphical interface provides Webmasters with
a map of a site's pages, **images** and links to pinpoint **broken** or
missing **URLs** . Users can generate a hypertext-linked report with
complete site information, and they can correct...
?s track??? (4w) ((user? or client?)(w)(interact???)(4n)(web or network or search)(2w)(re
source? or tool? or engine?))
Processing
Processed 10 of 20 files ...
Processing
Processed 20 of 20 files ...
Completed processing all files
          674690   TRACK???
         1690815   USER?
          355241   CLIENT?
         2859297   INTERACT???
          569437   WEB
         2162533   NETWORK
          619640   SEARCH
         1396545   RESOURCE?
         1689126   TOOL?
         3687809   ENGINE?
      S6   0   TRACK??? (4W) ((USER? OR CLIENT?)(W)(INTERACT???)(4N)(WEB
                    OR NETWORK OR SEARCH)(2W)(RESOURCE? OR TOOL? OR ENGINE?))
?s track??? (4w) ((user? or client?)(w)(interact???)(4n)(web or network or search)(2w)(re

```
source? or tool? or engine?))
Processing
Processed  10 of  20 files ...
Completed processing all files
             674690   TRACK???
            1690815   USER?
             355241   CLIENT?
            2859297   INTERACT???
             569437   WEB
            2162533   NETWORK
             619640   SEARCH
            1396545   RESOURCE?
            1689126   TOOL?
            3687809   ENGINE?
      S7         0   TRACK??? (4W)  ((USER? OR CLIENT?) (W) (INTERACT???) (4N) (WEB
                     OR NETWORK OR SEARCH) (2W) (RESOURCE? OR TOOL? OR ENGINE?))
?s (trac??? or manag??? or monitor??? or track???)  (s)  ((user? or client?) (3n) (interact??
? or access??? or use or using) (6n) (web or network or search) (2w) (resource? or tool? or e
ngine?))
Processing
Processed  10 of  20 files ...
Processing
Processing
Processed  20 of  20 files ...
Completed processing all files
            1750963   TRAC???
             998419   MANAG???
            1622510   MONITOR???
             674690   TRACK???
            1690815   USER?
             355241   CLIENT?
            2859297   INTERACT???
            1207072   ACCESS???
            5827847   USE
           10419838   USING
             569437   WEB
            2162533   NETWORK
             619640   SEARCH
            1396545   RESOURCE?
            1689126   TOOL?
            3687809   ENGINE?
      S8     . 762   (TRAC??? OR MANAG??? OR MONITOR??? OR TRACK???) (S)
                     ((USER? OR CLIENT?) (3N) (INTERACT??? OR ACCESS??? OR USE
                     OR USING) (6N) (WEB OR NETWORK OR SEARCH) (2W) (RESOURCE? OR
                     TOOL? OR ENGINE?))
?s (track??? or manag??? or monitor??? or trac???) (5n) (image? or IMG) (3w) (URL? or tag? or
 anchor?)
             674690   TRACK???
             998419   MANAG???
            1622510   MONITOR???
            1750963   TRAC???
            2278671   IMAGE?
               1637   IMG
              20910   URL?
             203703   TAG?
             113061   ANCHOR?
      S9        18   (TRACK??? OR MANAG??? OR MONITOR??? OR
                     TRAC???) (5N) (IMAGE? OR IMG) (3W) (URL? OR TAG? OR ANCHOR?)
?s s8 and s9
                762   S8
                 18   S9
     S10         0   S8 AND S9
?s (IMAGE? OR IMG) (3W) (URL? OR TAG? OR ANCHOR?)
            2278671   IMAGE?
               1637   IMG
              20910   URL?
             203703   TAG?
             113061   ANCHOR?
     S11       996   (IMAGE? OR IMG) (3W) (URL? OR TAG? OR ANCHOR?)
```

```
?s s8 (s) s9
              762  S8
               18  S9
     S12         0  S8 (S) S9
?s s8 (s) s11
              762  S8
              996  S11
     S13         0  S8 (S) S11
?s s8 and s11
              762  S8
              996  S11
     S14         1  S8 AND S11
?t s14/6,k/all
```

14/6,K/1   (Item 1 from file: 275)

02425203   SUPPLIER NUMBER: 63298098   (USE FORMAT 7 OR 9 FOR FULL TEXT)
2000 Buyer's Guide and Consultants Directory.(Buyers Guide)
July, 2000
WORD COUNT: 34520   LINE COUNT: 03665

...   Client and Server software, Inventory, Advanced Booking, Portable
Circulation and MediaLink for linking multimedia files (**images** , sound,
video and **URLs**) to bibliographic records. Best-Seller can also provide
outsourcing services such as server housing and...archives.
    Information management products: DB/TextWorks a text retrieval
software that enables information professionals to **manage** text, images,
and multimedia. DB/Text WebPublisher is NT server software for publishing
knowledgebases on...

...index browser and high-speed fielded search engine make searching fast
and easy. DB/Text **Interactive** WebPublisher enables **users** to fully
interact with information via a Web browser--allowing them to add comments
and reviews and collaborate...

```
?s broken(w)image(track??)
           112103  BROKEN
                0  IMAGE(TRACK??)
     S15         0  BROKEN(W)IMAGE(TRACK??)
?s (broken(w)image(w)track???)
           112103  BROKEN
          1676243  IMAGE
           674690  TRACK???
     S16         0  (BROKEN(W)IMAGE(W)TRACK???)
?s (image or IMG)(3n)track??? (5n)URL?
          1676243  IMAGE
             1637  IMG
           674690  TRACK???
            20910  URL?
     S17         1  (IMAGE OR IMG) (3N)TRACK??? (5N)URL?
?t s17/6,k/all
```

17/6,K/1   (Item 1 from file: 647)

01080261   CMP ACCESSION NUMBER: CRN19960205S0075
**TECHNOLOGY CLOSEUP: PAINTER SURPASSES ALL OTHERS IN INTERNET   TOOLS AND
    SUPPORT - Web features scarce in graphics programs**
PUBLICATION DATE: 960205
WORD COUNT: 396

...   With Painter, you create your image using floating objects to
define the regions of the **image** map and assign different **URLs** -Internet
addresses-to the floaters. When you edit the   **image** or move floaters,
Painter keeps **track** of the **URLs** .
    Painter has gone furthest in Internet support. Besides the features
mentioned above, it includes Net...
```
?s (image or IMG)
          1676243  IMAGE
```

```
          1637   IMG
    S18  1677402   (IMAGE OR IMG)
?s s18 (3w) (tag? or URL?)
       1677402   S18
        203703   TAG?
         20910   URL?
    S19      492   S18 (3W) (TAG? OR URL?)
?s s8 and 19
           762   S8
        983578   19
    S20       32   S8 AND 19
?t s20/6,k/1-10
```

20/6,K/1   (Item 1 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02605962   SUPPLIER NUMBER: 86435222   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Products Of The Year -- Among the thousands of new products that appeared
  in 2001, the editors of Network Magazine recognize 31 that stand out from
  the rest.**
May 1, 2002
WORD COUNT: 12476   LINE COUNT: 01040

...   when it's needed. You can pack up to 42 servers into an
industry-standard **19** -inch rack, clustered together using CT2, an
interconnect system IBM designed to cut down on they have authorization to
access . **Users** can also handle network management via a **Web** -based **tool**
, allowing administrators to **monitor** the NetWare server and any storage
servers attached to it.
       Because NetWare is intended only...

20/6,K/2   (Item 2 from file: 275)
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02427739   SUPPLIER NUMBER: 64343681   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Banner Ads Now Passe, Says Coms Company.(Lewis, the marketing
  communications firm)**
August 17, 2000
WORD COUNT: 436   LINE COUNT: 00038

...   latest research from Forrester Research, completed in May. The
research firm's UK Internet User **Monitor** survey found 81 percent of
users tend to find Web sites they are interested in **using   search
engines** , up from 67 percent in 1999.
       The next most popular source was by following links...

...is at http://www.lewispr.com .
       Reported by Newsbytes.com, http://www.newsbytes.com .
       12: **19** CST
       (20000817/Press Contact: Clive Booth, Lewis, +44-20-7802-2626 /WIRES
ONLINE, BUSINESS/)

20/6,K/3   (Item 3 from file: 275)
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02425203   SUPPLIER NUMBER: 63298098   (USE FORMAT 7 OR 9 FOR FULL TEXT)
2000 Buyer's Guide and Consultants Directory.(Buyers Guide)
July, 2000
WORD COUNT: 34520   LINE COUNT: 03665

...   archives.
       Information management products: DB/TextWorks a text retrieval
software that enables information professionals to **manage** text, images,
and multimedia. DB/Text WebPublisher is NT server software for publishing
knowledgebases on...

...index browser and high-speed fielded search engine make searching fast

and easy. DB/Text **Interactive** WebPublisher enables **users** to fully
interact with information via a Web browser--allowing them to add comments
and reviews and collaborate...info@lssi.com
      http://www.lssi.com
      Library Technologies, Inc.
      2300 Computer Ave.
      Suite D- **19**
      Willow Grove, PA 19090
      215-830-9320
      800-795-9504
      (Fax) 215-830-9422
      http...

  20/6,K/4   **(Item 4 from file: 275)**

02350390   SUPPLIER NUMBER: 57617295   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Net Security Can Be Full Of Holes.(IT security standards lacking)(Industry
  Trend or Event)**
Nov 15, 1999
WORD COUNT: 156   LINE COUNT: 00015

     Of the 152 companies surveyed by The Cutter Consortium, **19** .7 percent
had no IT security standards in place. Such policies are described as
standard ways of developing and deploying secure applications, as well as
managing internal and external **users** ' **access** to **network** **resources** ,
according to Cutter, Arlington, Mass. However, 60 percent plan to implement
such a policy by...

  20/6,K/5   **(Item 5 from file: 275)**

02112287   SUPPLIER NUMBER: 19905074   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Public key infrastructures. (protecting data within a network) (includes
  related article on whether to use outside certificate authorities)
  (Technology Information)**
Nov, 1997
WORD COUNT: 3953   LINE COUNT: 00307

ABSTRACT: A public-key infrastructure (PKI) lets network managers provide
internal **users** and authorized external parties with a secure,
authenticated way to **access** **network** **resources** and complements
external security measures such as firewalls while strengthening
traditional means of securing access. PKI **manages** key pairs and
certificates and is currently used mainly in electronic commerce
applications, but some...

...key is indeed that of the person who claims ownership of it.
Certificates can be **managed** with special software or through an outside
'certificate authority' such as VeriSign. 'Key recovery' lets...
...   An individual Web browser certificate from Verisign (Mountain View,
CA) can cost $9.95 to $ **19** .95 a year. Multiply that amount by the number
of users in your care and...

  20/6,K/6   **(Item 6 from file: 275)**

02087729   SUPPLIER NUMBER: 19433643   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**The slow climb of network salaries. (Network Magazine's 4th Annual Salary
  Survey) (includes related article on job descriptions) (Industry Trend or
  Event)(Cover Story)**
June, 1997
WORD COUNT: 4857   LINE COUNT: 00418

...   next 12 months   43
    Certifications

```
                (percentage with)
        NetWare                              26
        Windows NT                           15
        Unix                                 12
        Other                                19
        Company (percentage)
         of respondents who
         work at)
        Privately held                       32
        Publicly held                        36
        Government                            9...company to company.
        By and large, network managers are an educated group. Of the
respondents,  19  percent have a master's degree or doctorate and 43
percent have a bachelor's...

...employees in the last two years.
        IS managers seem to be the most loyal--only  19  percent plan to
explore other venues in the next year. After working their way up...He or
she reports to the network/systems manager.
        Network administrator. This person ensures that  users  have
day-to-day  access  to  network   resources . He or she provides  user
-level network services, such as assigning passwords and accounts,
administering e mail, and setting permissions...

...and network-based applications. He or she reports to the network
engineer or network/systems  manager .
        End-user Support Group
        End-user support manager. This person is responsible for ensuring that
...
```

 20/6,K/7   (Item 7 from file: 275)
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02038157   SUPPLIER NUMBER: 19049111   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Read all about it. (cyberspace benefits newspapers and magazines) (includes
   related article on digital news) (Internet/Web/Online Service
   Information)**
Nov, 1996
WORD COUNT: 3936   LINE COUNT: 00306

```
...     November 1, 1996, the publication will be available only by
subscription at a cost of $ 19 .95 for one year or $34.95 for two.
        The Seattle Times' Wagner says his...started out as an archive, but
now we've moved to asset management, which includes  managing  and
distributing photos, text, and audio clips," says Bill Toner, GMTI's vice
president of operations. Using  the built-in  search   engine ,  users
can  access  these resources by simply describing what they want.
        Papers with direct  access  to Associated Press photographs and
stories can browse information as it comes in and send...
```

 20/6,K/8   (Item 8 from file: 275)
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02006082   SUPPLIER NUMBER: 18873226   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Soup up your server. (identifying bottlenecks to enhance performance of
   AppleShare servers) (Technology Tutorial)(Tutorial)**
Jan, 1997
WORD COUNT: 2883   LINE COUNT: 00220

```
TEXT:
        ...network and server, learning how, why, and when one or both slows
down. Start by  monitoring  all aspects of the network and server during a
week or two of normal use...

...Apple's AppleShare Server Solution CD-ROM, the AG Group's Skyline and
Satellite network- monitoring  software and Santorini Consulting and
Design's Server  Manager  3.2 are the two key tools that will help you
```

start assessing your overall...

...own activity provides a bigger window to what's really going on.
Santorini's Server **Manager** , also included on the AppleShare Server
Solution CD-ROM, goes beyond the abilities of the...

...alerts, administer users and groups, and perform a host of other
activities. It is Server **Manager** 's **monitoring** capabilities that come in
handy for finding out whether your server is overutilized. You can **monitor**
file and folder operations, such as deleting, opening, and renaming files
and folders. Even Server **Manager** doesn't distinguish among CPU, NIC
(network interface card), ...really want a low-level look inside the
server, consider purchasing Santorini's $195 Server **Tracker** , which can
show you such things as file I/O calls and which client is making them.) If
Server **Manager** turns up a heavily loaded server and if network
utilization seems to be within reasonable...

...NICkle and Diming It If you've segmented your Ethernet network to limit
competition among **users** for **access** to **network** **resources** , you've
probably been frustrated that server **access** is still slow for some (or
all) **users** . Since everyone on the network must traverse the same network
segment to get to the...software. Not surprisingly, the server with the
SledgeHammer fared better than that with AppleRAID, delivering **19**
-percent-faster throughput than the baseline system for a 48-client load.
Like adding RAM...

...network itself, gather as much infor-mation as you can, using common
sense and network- **monitoring** tools. Once that's done, you can add a pinch
of this and that until...
...is just right. Kelli Wiseth is a MacUser contributing editor. Associate
Project Leader James Galbraith **managed** the testing for this report.
NetBench 5.0, the benchmark software used in testing for...

...that the problem lies with the server, not the network. figure 2 /
Santorini's Server **Manager** 3.2 includes the functions of the AppleShare
administration program (**managing** users and groups, setting and clearing
the AppleShare cache) but goes further. The **Monitor** & Control window's
activity pane shows current server utilization, averaged over time, and the
maximum...

 20/6,K/9   **(Item 9 from file: 275)**
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01961581   SUPPLIER NUMBER: 18486374   (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Internet access dilemma. (11 TCP/IP software products) (Software
   Review)(Evaluation)
July, 1996
WORD COUNT: 5684   LINE COUNT: 00474

...   its LAN WorkGroup 4.2 product. LAN WorkGroup is a connectivity
package that provides NetWare **users** with transparent **access** to TCP/IP
network **resources** from their desktops. It also lets system
administrators **manage** a TCP/IP network from a single file server
location.
      In LAN WorkGroup, Novell includes...Navigator.
      Tun EMUL runs over numerous types of network and serial connections
and accurately emulates **19** Unix, DEC, and IBM terminals. It supports
TCP/IP, serial lines, modems, and IPX. Tun...

 20/6,K/10   **(Item 10 from file: 275)**
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01890677   SUPPLIER NUMBER: 17488771   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Internetwork 1995 TCP/IP software directory.(Internetwork
   supplement)(includes company index)(Buyers Guide)
August, 1995
WORD COUNT: 14920   LINE COUNT: 01298

...   communications between workgroups, and the ability to change
Internet network configurations and access via software. **Using** CERFnet
services and software, network **managers** can detail bandwidth availability
for specific **users** or **user** groups from 14.A Kbps to 45 Kbps.
      * Internet and **Web access tools**
      CERFnet's family of Internet and Web access tools smoothly and
seamlessly integrates with leading...protocols. It requires only one event
timer. The minimum configuration can be as small as **19** .4KB, with a fully
configured object environment occupying less than 60KB of memory. It also
...
?t s20/6,k/11-20

 20/6,K/11   (Item 11 from file: 275)
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01797417   SUPPLIER NUMBER: 17028378   (USE FORMAT 7 OR 9 FOR FULL TEXT)
NetWare everywhere: Promise or pipe dream? (Novell's plan to challenge
  Microsoft)(Cover Story)
June, 1995
WORD COUNT: 2338   LINE COUNT: 00191

...   Factor
      Novell credits improving sales of NetWare 4.1 as a key reason for a
19 % sales increase in its NetWare Systems Group for QI/95. According to
Frankenberg, sales of...

...the multiprotocol routing capabilities in NetWare 4.1.
      Richard King, executive vice president and general **manager** of
Novell's NetWare Systems Group, claims NetWare 4.1 can meet the
enterprise-wide...

...in V.4.1|," said King. The 10-year Novell veteran said NDS services
provide **access** to an entire network through a single log in; earlier
NetWare versions required **users** to log in to individual servers. GUI
utilities let end **users** and administrators **access network resources**
with drag-and-drop operations.
      In addition, NDS incorporates a distributed database that can be...

 20/6,K/12   (Item 12 from file: 275)
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01765407   SUPPLIER NUMBER: 16763850   (USE FORMAT 7 OR 9 FOR FULL TEXT)
NETWORK EXPRESS ENHANCES ITS NE ISDN INTERHUB, ROUTER.
March 23, 1995
WORD COUNT: 264   LINE COUNT: 00020

TEXT:
      ...is now shipping new versions of its NE ISDN InterHub, designed to
give geographically dispersed **users access** to central **network
resources** via ISDN, and the NE ISDN Router, which is designed to provide
ISDN-based bridging...

...from $5,900 for a four-line, eight-connection ISDN Basic Rate system, up
to $ **19** ,900 for a two-line, 46-connection ISDN Primary Rate system.
Version 3.0 of...

...NE ISDN Router is said to add support for Dynamic Management (designed
to enable network **managers** to make configuration changes without
interrupting the network); Internet Packet Exchange spoofing; and support
for...

 20/6,K/13   (Item 13 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01540396   SUPPLIER NUMBER: 12683848   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Strike up the band width. (upgrading desktop microcomputers and networks to

take advantage of new multimedia technology) (includes related article on
meeting the multimedia microcomputer standard and a multimedia glossary)
(Cover Story)
Nov, 1992
WORD COUNT: 4777   LINE COUNT: 00380

...   says Jim Long, Starlight Networks president. It works on 10BaseT
and thin Ethernet. The software **manages** the storage of streaming data or
video, so many **users** can **access**   the same video or multiple videos. It
also ensures that sufficient **network** and server **resources** exist to
guarantee delivery of the stream of data to the desktop computer. In
essence...

...staff, and visitors to the Ball State University campus in Muncie, IN.
By touching a **19** -inch color monitor that displays high-resolution
graphics, full-motion video, and digitized audio, users...

20/6,K/14   (Item 14 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01538937   SUPPLIER NUMBER: 12325117   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Low-pain Windows. (Microsoft Windows 3.1 graphical user interface) (Cover
  Story)**
July, 1992
WORD COUNT: 3135   LINE COUNT: 00232

...   PROGRAM.INI to include the new group.
     Tip #4: Restrict users' customization of their Program **Manager** .
Even with a shared program group, you don't have enough control over your
users...

...In a typical DOS-based network, the system administrator creates a
series of menus for **users** , and the **users** ' **access** to **network**
resources is limited to the applications that appear on their menus.
     With Windows 3.0, you...install these icons in the first place. You
can get a Windows Resource Kit for $ **19** .99 from Microsoft. The Windows
Resource Kit is the technical documentation for Windows 3.1...

20/6,K/15   (Item 15 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01535155   SUPPLIER NUMBER: 12674503   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**NCR's ADDS turns to Intel's 80960 RISC for new X-stations.(NEC Corp.'s
  Applied Digital Data Systems Inc., reduced-instruction-set computing)(new
  3533 XLR family of X-stations) (Product Announcement)**
Sept 3, 1992
WORD COUNT: 406   LINE COUNT: 00030

...   The new 3533 XLR line of stations comes in nine models offering a
variety of **monitor** sizes in monochrome, grey scale, and colour. They
offer simultaneous operation of a local network...

...serial ports plus a separate parallel port for network printing, and
xEasy software to help **manage** installation, operation, and remote
administration of the X station; xEasy encompasses a range of X...

...s viewpoints. The XLR X-stations offer standard XTerm, local client
support of Motif Window **Manager** and VT220 terminal emulation, and two
serial and one parallel ports, the company says. The...

...moving to NCR's System 3000 Unix line. The 3270/X software will provide
3270 **client** capability, with integrated **access** to other **network**
resources such as Unix, X Window applications and standard character
terminal applications, and is planned for first quarter 1993. With **monitor**
, keyboard, mouse and 4Mb memory, the XLR14C, 14" colour 1,024 by 768 pixel
model...

...a 17" colour 1,280 by 1,024 model at $4,900, and the XLR19CHR **19** "
version of that is $5,900. The XLR17G is a 17" grey scale 1,152 by 900
model at $3,100, and the XLR19G is a **19** " 1,280 by 1,024 variant at
$3,500. The 17" and **19** " mono versions are $2,600 and $3,000 respectively.

20/6,K/16   (Item 16 from file: 275)
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01533698   SUPPLIER NUMBER: 12614421   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**SoftShell eases chore of adding users to network. (SoftShell Systems Inc.'s
  LAN Tamer 2.2 program development software) (Brief Article) (Product
  Announcement)**
Sept 7, 1992
WORD COUNT: 346   LINE COUNT: 00027

...   network administrator establish groups of users with predefined
server-access rights.
      For example, a LAN **manager** could establish a marketing or
engineering group and grant all **users** in the group **access** to the same
network   resources with the character- and menu-based product.
      The ability to create groups is especially important...

...for a single server. A multiserver version costs $395 for the first
three users and $ **19** .95 for each additional user, according to Leal.
Upgrades are free.
      SoftShell Systems, a privately...

20/6,K/17   (Item 17 from file: 275)
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01530053   SUPPLIER NUMBER: 12464492   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Frye Computer Systems Inc.: Frye Utilities for Networks: NetWare Management
  and NetWare Early Warning System. (Software Review) (one of six network
  management and performance analysis software evaluations in
  'Server-Monitoring Software: Getting Inside Your File Server')
  (Evaluation)**
Sept 15, 1992
WORD COUNT: 799   LINE COUNT: 00064

...ABSTRACT: s NetWare 3.x network operating system. The NetWare
Management software is an easy-to- **use** troubleshooting package that
provides **network   resource** , **user** , configuration and printer server
information. The Early Warning System enables users to set parameters when
...
...   Version 1.11B
    NetWare Early Warning System (EWS), Version 1.1
      Frye Computer Systems Inc., **19** Temple Pl., Boston, MA 02111;
800-234-3793, 617-451-5400; fax, 617-451-6711...

20/6,K/18   (Item 18 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01451593   SUPPLIER NUMBER: 11356949   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Multiserver network operating systems. (Microsoft Corp.'s LAN Manager 2.0,
  Novell Inc.'s NetWare 3.11 and NetWare 2.2) (Software Review) (includes
  related articles on overall evaluation, on ease of learning, on
  versatility, on performance and on operating system performance)
  (evaluation)**
Sept 11, 1991
WORD COUNT: 5656   LINE COUNT: 00514

...   individual and groups of users. Naming makes it easier for
administrators to set up and **manage   user** login names and permissions,
and it simplifies **user** login procedures and **access** to **network
resources** .
      Domain are essential to naming service implementations. None of the

naming systems currently comply with...t encompass all network resources, such as file services. NNS facilitates management of groups of **users** and noticeably improves **user** **access** to multiple servers. NNS is supported on NetWare 3.x, 2.15 and above, Advanced...to 2,400bps (workstations) or Wide Area Network Interface Module (WNIM adaptor) ports up to **19** .2Kbps (server or workstations).

  Each WNIM contains four ports. Two WNIM adaptors can be installed...

 20/6,K/19 **(Item 19 from file: 275)**
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01293082 SUPPLIER NUMBER: 07234278 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Products. (MicroScope: local-area network operating system and management
 software) (directory)
May 1, 1989
WORD COUNT: 1621 LINE COUNT: 00132

... he said. ''Since you can backtrack, you can determine who caused the problem.''
   The product **monitors** local as well as **network** **resources** . ''Even if a **user** is **accessing** a local application on the C drive, [Lanscope] still **tracks** them,'' said Hammons. ''We swear by it.''
  Stan Showalter, security administrator with the Colorado Department ...retails for $595 per file server with unlimited workstation usage.
  LAN Services Inc. is at **19** Rector St., New York, N.Y. 10006 (212) 797-3800.
  According to users . . .
  ''End users...

 20/6,K/20 **(Item 20 from file: 275)**
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01284767 SUPPLIER NUMBER: 07265851 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Novell eyes multiprotocol access. (product announcement)
Jan 23, 1989
WORD COUNT: 488 LINE COUNT: 00040

...ABSTRACT: of LAN adaptors and network software by enabling them to write to a single interface. **19** software and hardware vendors plan to support OLI, including Compaq Computer Corp, Western Digital Corp...
... hardware and software to use multiple network protocols simultaneously.
  Novell officials said that at least **19** network hardware and software vendors plan to support Novell's new Open Link Interface (OLI...

...s OS/2 LAN Manager and in Apple's Macintosh networking software.
  Like the Protocol **Manager** component of Microsoft's OS/2 LAN **Manager** , OLI will allow **users** to **access** **network** **resources** **using** different network protocols simultaneously.
   Users on a Novell NetWare network, for example, will be able to **access** mail on a NetWare server, while at the same time accessing a file on a...
?t s20/6,k/21-32

 20/6,K/21 **(Item 21 from file: 275)**
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01243815 SUPPLIER NUMBER: 06686979 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Software connectivity's new frontier. (one of five related articles on
 connectivity)(includes related article on results of reader survey on
 networking)
June 14, 1988
WORD COUNT: 1365 LINE COUNT: 00110

... of networking software from Novell and Banyan offer significantly enhanced capabilities for network troubleshooting, activity **monitoring** , security, and resource control. Novell also provides an excellent means of

billing **users** for the **use** of **network** **resources** .
    Since the majority of network operating systems don't help the
administrator install applications, keep...attachment and 3270 remote modem
attachment are the most popular gateway connections (21 percent and **19**
percent, respectively). We were surprised at the low responses (4 percent
each) for IBM 3770...

 20/6,K/22   (Item 1 from file: 647)

01204496   CMP ACCESSION NUMBER: CRN19991115S0058
Net Security Can Be Full Of Holes
PUBLICATION DATE: 991115
WORD COUNT: 150

    Of the 152 companies surveyed by The Cutter Consortium, **19** .7
percent had no IT security standards in place. Such policies are described
as standard ways of developing and deploying secure applications, as well
as **managing** internal and external **users** ' **access**   to **network**
resources , according to Cutter, Arlington, Mass. However, 60 percent plan
to implement such a policy by...

 20/6,K/23   (Item 2 from file: 647)

01145404   CMP ACCESSION NUMBER: INW19971117S0056
VPN Economics Can Be Elusive
PUBLICATION DATE: 971117
WORD COUNT: 823

...   can outsource their modems to ISPs, which frees IT personnel from
the administrative burdens of **managing** modems, ISDN terminal adapters
and remote **access** servers needed for their **users** to connect to
corporate **network**   **resources** .
    Second, companies can reduce recurring telecommunications charges
when users start dialing into the network through...

...if users who dial in locally are switched to paying a flat monthly
rate of $ **19** .95 to an ISP, but then must incur in-state long distance
charges to connect...

 20/6,K/24   (Item 3 from file: 647)

01083551   CMP ACCESSION NUMBER: IWK19960304S0043
Throwing Up A Wall
PUBLICATION DATE: 960304
WORD COUNT: 141

TEXT:
...   your recent article on Internet/intranets to be right on target
("Your Worst Nightmare,"Feb. **19** , p. 34)
...   our division's networks, the damage is contained.
    In addition, our design also requires internal **users** to
authenticate themselves to the remote **network** before any **resources**
can be **accessed** , allowing us to **manage** the internal hacking threat.
    Lee Spenadel
    Director of Network Planning and Engineering
    Viacom International
    New...

 20/6,K/25   (Item 4 from file: 647)

00601454   CMP ACCESSION NUMBER: UNX19910513S1042

Users Divided On Value Of X Terminals
PUBLICATION DATE: 910513
WORD COUNT: 1465

...   from about $985 for Visual Technology's X-14/es to $8,200 for a
19 -inch color IBM XStation 130. Workstations, priced as low as $5,000 in
a diskless...

...list price of whatever the comparable workstation would be," he said.
Drew Davis, channels marketing **manager** at Tektronix, said X terminals
provide a specialized node in a collective computing environment, offering
a common standard **user** interface to **access** **network** **resources** .
        However, a workstation **user** at a Midwest-based defense contractor,
who preferred anonymity, said his division frowned on X...

20/6,K/26   **(Item 1 from file: 674)**
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085568
The benefits of a Windows 2000 cluster
High-availability services are easy to install and manage, but clustering
       software needs more automation.
Publication Date: July 03, 2000

Text:
... the benefits of a Windows 2000 cluster High availability services are
easy to install and **manage** , but clustering software needs more
automation.By Jeffrey FritzA clustering configuration is like a Hummer...

...our test was to determine the ease of operation, the reliability and the
ability to **manage** this cluster server package. We tested the ability to
do rolling upgrades, network load balancing...

... to dismiss before service could be restored. The unit tested was a
sizable seven-foot, **19** -inch rack-mounted system with six ProLiant 1850R
servers and a separate 1850R running as...

... servers, data resources, security and management. Under the clustering
infrastructure used by Windows 2000, the **clients** **access** the cluster
services through a series of IP-based servers that handle Network Load
Balancing...

... node has its own memory and disk storage. At any instant, only one node
is **managing** each disk. Nodes across a common link that is separate from
the connection used to...

... to another server. Rolling upgradesOne of the biggest problems facing
server administrators is how to **manage** and schedule maintenance -
particularly when this involves upgrades to the system that result in
server...

20/6,K/27   **(Item 2 from file: 674)**
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074387
Xylan puts policies in switches
Publication Date: May 03, 1999

Text:
... from Extreme Networks, IBM, Lucent and others. Policy-based networking
is the ability to grant **users** varying levels of **access** to **network**
resources , such as servers and network bandwidth. Network administrators
can use the policy server to give...

...priority and bandwidth through Xylan switches, according to the company.
The authentication service requires that **users** log on to the network. The
software **accesses** security databases **using** either RADIUS or the

Lightweight Directory **Access** Protocol (LDAP) to verify that the **users** are allowed **access** to **network** **resources** . For directory services, Xylan switches **use** an LDAP **client** to **access** a directory server. Therefore, the switches will know what policies to assign to **users** listed in the directory. For IP address management, Xylan uses the Dynamic Host Configuration Protocol...

... Xylan is also shipping a Java-based management application called QoS PolicyView, which helps network **managers** build policies and set them on Xylan switches. IP Control costs $495. The LDAP client...

... Xylan's chassis-based switches and $1,000 for its stackable switches. QoS PolicyView is $ **19** ,995. All products are available now.

20/6,K/28   **(Item 3 from file: 674)**

066237
A (barely) passing grade
Web-based tools help net management vendors boost rating in annual survey,
   but age-old problems persist.
Publication Date: May 11, 1998

Text:
... the influence of the World Wide Web. Nearly one-third of respondents said they are **using** **Web** -based management **tools** , as compared with 18% in 1997. **Users** were particularly happy with the ability of Web-based tools to enable them to **manage** their nets from anywhere with an Internet connection (3.90); their ease of use (3...

...to share management information with more people (3.76); and the ability to give end **users** information they can **use** to help themselves (3.73).
      Web -based **tools** fared somewhat worse in their ability to aggregate information from multiple sources (3.45) and...

... scores. Readers said they were especially dissatisfied with their ability to optimize application performance (3. **19**) and troubleshoot application problems (3.30).
      "We want to know about a problem before the...the frameworks. The good news for framework vendors, however, is that number is up from **19** .5% last year and from 22% in 1996.
      By contrast, 55% of respondents said their...

20/6,K/29   **(Item 4 from file: 674)**

059585
Browsers gain query tool ground
 19
Browsers gain query tool ground
Publication Date: May 19, 1997

 19
Text:
... MicroStrategy, Inc.'s DSS Agent client/server tool and DSS web tool. Simon Bland, senior **manager** of business systems at Concert's Reston, Va., office, said 20 **users** have **client** /server tools and 40 **use** **web** **tools** . Bland said he expects the number of web **users** to expand four- to fivefold while the number of client/server users remains the same...

... warehouse revolve around keeping track of budgets, labor hours, materials, scheduling and planning. About 500 **users** have Brio **client** /server tools, and about 20 are **using** Brio **web** **tools** . Starting in June, **web** **tools** will be rolled out to most users over six months to a year. ``We probably...

... have found favor with power users, and Gleason said he expects 20% to

25% of **users** will want them. That means the **use** of **web** **tools** is likely to decline from 90% now to 75% to 80%.
Although maintaining expertise on...

20/6,K/30   (Item 5 from file: 674)
DIALOG(R)File 674:(c) 2004 IDG Communications. All rts. reserv.

040754
Ready to rope a remote access deal?
Support for more WAN options, ports and protocols makes products for the
     range more livable, but better offerings are ready to mosey on in.
Publication Date: November 14, 1994

Text:
... products to keep them in touch with the folks back at the data ranch. Net **managers** scouring the market are finding a wider array of new or enhanced dial-up bridge...

...impending products, can shroud the selection process in a cloud of dust, especially if net **managers** do not fully understand the differences between each class of remote access product. Each product...that is the execution speed of applications,'' says Kelly McGovern, a Microcom, Inc. senior product **manager** . There are two major bottlenecks that remote access solutions must overcome, McGovern says. One occurs at the remote site where Windows applications are limited to **19** .2K bit/sec by the speed at which data can be transferred across the remote...

... to do. ``Novell's IPX is a very chatty protocol,'' says Tom Caldwell, product  marketing  **manager**  at Rockwell Network Systems. ``The clients and servers exchange network configuration information on a frequent...at the central site connects to an ISDN PRI on the network side. On the **user** side is a LAN link providing **access** to a campus-area network and other resources such as a link to the Internet. Remote **users** , therefore, have **access** to any campus resource including the Internet at 64K or 128K bit/sec. ``Remote users...

20/6,K/31   (Item 6 from file: 674)
DIALOG(R)File 674:(c) 2004 IDG Communications. All rts. reserv.

022091
New version of Windows OS eases LAN connection
Publication Date: March 30, 1992

Text:
... availability, Version 3.1 is expected to streamline the unwieldy processes of connecting to and **using** local-area **network** **resources** from a Windows 3.0 **client** , according to Microsoft.
    Major improvements include faster **access** to files stored on servers; a more object-oriented interface, which lets **users** drag and drop files between drives, whether mapped locally or remotely; and an autoconfiguring installation...

... without user intervention. Version 3.1 will ship with net drivers for Microsoft's LAN **Manager** and Novell, Inc.'s NetWare servers.
    The company is also expected to ship next week the Windows Resource Kit, a $ **19** .95 package of documentation and utilities designed to smooth the way for LAN administrators with...

20/6,K/32   (Item 1 from file: 696)
DIALOG(R)File 696:(c) 2004 The Dialog Corp. All rts. reserv.

00720343
UPC LIMBERS UP FOR CHELLO FLOAT
March 29, 2000

WORD COUNT: 594

TEXT:
...to be in September, see Cable Europe vol.5 no.6).
Iain Osborne, Chello's **managing** director, marketing and communi-cations,
unveiled the results of what he described as Europe's...

...spent proportionately much more time
engaged in a range of activities including downloading, surfing and **use**
of
 search **engines** and newsgroups. Chello **users** also spent an average of
Euro 471
online over the last six months, compared with...access, with this expected
to grow
in Europe from 0.7 million in 1999 to **19** .6 million by 2005.
Lynch said he was interested in opportunities in the UK, including...
?b patents
>>>   351 is unauthorized
>>>   352 is unauthorized
>>>2 of the specified files are not available
        24sep04 12:17:38 User264796 Session D29.2
             $24.75   3.194 DialUnits File2
     $24.75 Estimated cost File2
             $6.93   1.175 DialUnits File6
      $6.93 Estimated cost File6
             $14.81   2.116 DialUnits File8
     $14.81 Estimated cost File8
             $39.46   1.925 DialUnits File34
     $39.46 Estimated cost File34
             $2.64   0.645 DialUnits File35
      $2.64 Estimated cost File35
             $2.00   0.534 DialUnits File65
      $2.00 Estimated cost File65
             $0.79   0.247 DialUnits File92
      $0.79 Estimated cost File92
             $4.69   1.341 DialUnits File94
      $4.69 Estimated cost File94
             $4.61   0.659 DialUnits File95
      $4.61 Estimated cost File95
             $1.00   0.415 DialUnits File99
      $1.00 Estimated cost File99
             $6.96   1.364 DialUnits File103
      $6.96 Estimated cost File103
             $8.42   2.406 DialUnits File144
      $8.42 Estimated cost File144
             $1.65   0.257 DialUnits File202
      $1.65 Estimated cost File202
             $1.22   0.450 DialUnits File233
      $1.22 Estimated cost File233
             $2.74   0.684 DialUnits File239
      $2.74 Estimated cost File239
             $15.90   2.944 DialUnits File275
               $17.50 25 Type(s) in Format 95 (KWIC)
             $17.50 25 Types
     $33.40 Estimated cost File275
             $10.31   0.503 DialUnits File434
     $10.31 Estimated cost File434
             $5.12   0.994 DialUnits File647
               $3.60 8 Type(s) in Format 95 (KWIC)
             $3.60 8 Types
      $8.72 Estimated cost File647
             $2.22   0.542 DialUnits File674
               $2.58 6 Type(s) in Format 95 (KWIC)
             $2.58 6 Types
      $4.80 Estimated cost File674
             $3.50   0.604 DialUnits File696
               $0.00 1 Type(s) in Format 95 (KWIC)
             $0.00 1 Types

```
   $3.50   Estimated cost File696
           OneSearch, 20 files, 22.998 DialUnits FileOS
  $11.75   TELNET
 $195.15   Estimated cost this search
 $195.23   Estimated total session cost  23.198 DialUnits


SYSTEM:OS  - DIALOG OneSearch
   File 123:CLAIMS(R)/Current Legal Status 1980-2004/Sep 14
           (c) 2004 IFI/CLAIMS
*File 123: Reassignment data is now updated weekly.
   File 331:Derwent WPI First View    UD=200460 (c) 2004   Thomson Derwent
*File 331: For patent family information, search also File 351, 352,
or 350.
   File 340:CLAIMS(R)/US Patent 1950-04/Sep 23
           (c) 2004 IFI/CLAIMS(R)
*File 340: For information about the annual reload, see HELP NEWS 340.
   File 342:Derwent Patents Citation Indx 1978-04/200457
           (c) 2004 Thomson Derwent
   File 344:Chinese Patents Abs Aug 1985-2004/May
           (c) 2004 European Patent Office
   File 345:Inpadoc/Fam.& Legal Stat 1968-2004/UD=200438
           (c) 2004 EPO
   File 347:JAPIO Nov 1976-2004/May(Updated 040903)
           (c) 2004 JPO & JAPIO
*File 347: JAPIO data problems with year 2000 records are now fixed.
Alerts have been run.  See HELP NEWS 347 for details.
   File 348:EUROPEAN PATENTS 1978-2004/Sep W02
           (c) 2004 European Patent Office
   File 349:PCT FULLTEXT 1979-2002/UB=20040923,UT=20040916
           (c) 2004 WIPO/Univentio
   File 353:Ei EnCompassPat(TM) 1964-200437
           (c) 2004 Elsevier Eng. Info. Inc.
*File 353: Ei EnCompassPat/Ei EnCompassLit combined usage is
limited to 2 hrs/yr.
   File 371:French Patents 1961-2002/BOPI 200209
           (c) 2002 INPI.  All rts. reserv.
*File 371: This file is not currently updating. The last update is 200209.
   File 447:IMS Patent Focus 2004/Aug
           (c) 2004 IMS Health & Affiliates
   File 652:US Patents Fulltext 1971-1975
           (c) format only 2002 The Dialog Corp.
   File 654:US Pat.Full. 1976-2004/Sep 21
           (c) Format only 2004 The Dialog Corp.
   File 670:LitAlert 1973-2004/UD=200436
           (c) 2004 Thomson Derwent


     Set  Items  Description
     ---  -----  -----------
?s track??? (6n) (network or  web or search)(2w)(tool? or engine? or resource? or applica
tion? or service?) (s) (interact??? or access??? or request??? or using or used or use )
(4n) (user? or client? or subscriber? or operator?)
Processing
Processing
Processing
Processing
>>>File 349 processing for USER? stopped at USEROBJECTS
Processing
Processed  10 of  15 files ...
Processing
Processing
Processing
Processing
Processing
Completed processing all files
         833295  TRACK???
        1006871  NETWORK
         496634  WEB
        4060506  SEARCH
```

```
        1267041  TOOL?
        2114448  ENGINE?
         283728  RESOURCE?
       10702870  APPLICATION?
         902476  SERVICE?
         757459  INTERACT???
        1550276  ACCESS???
        4211925  REQUEST???
        6130098  USING
        6733022  USED
        6151627  USE
        1512561  USER?
         164267  CLIENT?
         150644  SUBSCRIBER?
         851060  OPERATOR?
   S1      335   TRACK??? (6N) (NETWORK OR  WEB OR SEARCH)(2W)(TOOL? OR
                 ENGINE? OR RESOURCE? OR APPLICATION? OR SERVICE?) (S)
                 (INTERACT??? OR ACCESS??? OR REQUEST??? OR USING OR USED
                 OR USE ) (4N) (USER? OR CLIENT? OR SUBSCRIBER? OR
                 OPERATOR?)
?s s1 and pd<001012
>>>File 123 processing for PD=  : PD=001012
>>>     started at PD=NAME OF stopped at PD=19950822
>>>File 340 processing for PD=  : PD=001012
>>>     started at PD=US 1998167682 stopped at PD=US 2000597944
>>>File 342 processing for PD=  : PD=001012
>>>     started at PD=47 stopped at PD=700427
>>>File 344 processing for PD=  : PD=001012
>>>     started at PD=19 stopped at PD=8907
>>>File 345 processing for PD=  : PD=001012
>>>     started at PD=13 stopped at PD=650511
>>>File 347 processing for PD=  : PD=001012
>>>     started at PD=197610 stopped at PD=19830411
Processing
>>>File 348 processing for PD=  : PD=001012
>>>     started at PD=78 stopped at PD=990303
Processing
>>>File 353 processing for PD=  : PD=001012
>>>     started at PD=1008 stopped at PD=690516
Processed  10 of  15 files ...
>>>File 371 processing for PD=  : PD=001012
>>>     started at PD=FR 87965 stopped at PD=19951027
>>>File 447 processing for PD=  : PD=001012
>>>     started at PD=110606 stopped at PD=731210
>>>File 654 processing for PD=  : PD=001012
>>>     started at PD=A stopped at PD=19821130
>>>File 670 processing for PD=  : PD=001012
>>>     started at PD=08840221 stopped at PD=19980715
Completed processing all files
            335  S1
        7334182  PD<001012
   S2       12   S1 AND PD<001012
?s s2/6,k/all
>>>Invalid syntax
?t s2/6,k/all


 2/6,K/1     (Item 1 from file: 342)
DIALOG(R)File 342:(c) 2004 Thomson Derwent. All rts. reserv.

04297144  WPI Acc No: 01-158052/16
Tracking of client interaction with network resource, involves downloading
resource from one server along with resource use monitoring program stored
in another server, to client ...



 2/6,K/2     (Item 1 from file: 345)
DIALOG(R)File 345:(c) 2004 EPO. All rts. reserv.

14610526
```

Basic Patent (No,Kind,Date): US 5796952 A 19980818
   **Method and apparatus for tracking client interaction with a network
      resource and creating client profiles and resource database** (English)
Applic (No,Kind,Date): US 821534 A 19970321

Dialog File: Inpadoc/Fam.& Legal Stat_1968-2004/UD=200438

 2/6,K/3   (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

01113209
Method for communicating between frames within a web browser window
**Verfahren zur Kommunikation zwischen Rahmen innerhalb eines Fensters eines
      Web-Browsers**
**Methode pour la communication entre les frames dans une fenetre d'un
      chercheur d'internet**
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 200004   1556
      SPEC A   (English) 200004   5862
Total word count - document A   7418
Total word count - document B   0
Total word count - documents A + B   7418

...SPECIFICATION activities, errors, and alarms.
   Selecting a tracking tab, as shown in FIG. 4, gives the **user   access**
to the **Web** based browser **application** 's **tracking** functions.
Selecting the **tracking** tab gives the **user   access** to tracking tree
412 and available actions 408. By selecting buttons 410 within available
actions...

 2/6,K/4   (Item 2 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

01018404
**METHOD AND APPARATUS FOR TRACKING   CLIENT   INTERACTION WITH A NETWORK
      RESOURCE AND CREATING CLIENT PROFILES AND RESOURCE DATABASE**
**VERFAHREN UND GERAT UM BENUTZERINTERAKTION MIT NETZWERKBETRIEBSMITTELN ZU
      VERFOLGEN   UND   BENUTZERPROFILE   UND   EINE BETRIEBSMITTELDATENBANK
      HERZUSTELLEN**
**PROCEDE ET APPAREIL PERMETTANT LE SUIVI DE L'INTERACTION ENTRE UN SYSTEME
      CLIENT ET UNE RESSOURCE RESEAU ET LA CREATION DE PROFILS CLIENTS ET
      D'UNE BASE DE DONNEES DE RESSOURCES**
LANGUAGE (Publication,Procedural,Application): English; English; English

**METHOD AND APPARATUS FOR TRACKING   CLIENT   INTERACTION WITH A NETWORK
      RESOURCE AND CREATING CLIENT PROFILES AND RESOURCE DATABASE**

 2/6,K/5   (Item 3 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

00905133
Method and system for selecting an information item
Verfahren und System zum Auswahlen eines Informarionsgegenstandes
Procede et dispositif pour selectionner un article d'information
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 199810   904
      CLAIMS B (English) 200246   804
      CLAIMS B (German)   200246   806
      CLAIMS B (French)   200246   825
      SPEC A   (English) 199810   6441
      SPEC B   (English) 200246   6174
Total word count - document A   7346

Total word count - document B   8609
Total word count - documents A + B   15955

...SPECIFICATION database. The organisation of the content of the library
collection is immediately displayed to the **user** . When a category is
accessed for selection, sub-categories of the category are displayed to
provide more information to the...User's also gain a quick impression of
how the catalogue is structured.

   3. The **search   tool**
    The **Search   tool** combines the 'Browse' and the 'Fast- **track** ' in one
integrated tool. The **Search   tool** also adds facilities which extend
the search capabilities of the 'Fast-track'. Consequently user's...

...SPECIFICATION database. The organisation of the content of the library
collection is immediately displayed to the **user** . When a category is
accessed for selection, sub-categories of the category are displayed to
provide more information to the...

...User's also gain a quick impression of how the catalogue is structured.

   3. The **search   tool**
    The **Search   tool** combines the 'Browse' and the 'Fast- **track** ' in one
integrated tool. The **Search   tool** also adds facilities which extend
the search capabilities of the 'Fast-track'. Consequently user's...

 2/6,K/6   (Item 4 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

00761123
APPARATUS AND METHOD FOR ACCESSING A LOCAL COMPUTER NETWORK
VERFAHREN UND GERAT FUR EINEN LOKALEN RECHNERNETZZUGANG
PROCEDE ET DISPOSITIF D'ACCES A UN RESEAU LOCAL D'ORDINATEURS
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200147	703
CLAIMS B	(German)	200147	696
CLAIMS B	(French)	200147	810
SPEC B	(English)	200147	3980
Total word count - document A			0
Total word count - document B			6189
Total word count - documents A + B			6189

...SPECIFICATION has an IP address under the per-user IP addressing scheme,
it is possible to **track** via IP address the **network   services**
accessed by particular remote **users** . Once a **user** has been provided
access to the network itself, following any type of optional user
authentication procedure which includes but is not limited to the **use**
of the per- **user** IP address, it is possible to use IP addresses to
ensure that only certain remote **users** are allowed **access** to specific
network services. By providing IP addressed on a per-use basis, the
network...specific network services based on IP address.
    The user authorization feature allows an authorized remote **user** 's
use of **network   services** and **resources** to be **tracked** via IP
address. That is, the remote access server 16 can keep a log of...

...user's remote computer 12 passes through the server 16 and (ii) the IP
address **used** by the remote **user** 's remote computer 12 uniquely
identifies the remote user 18. The server 16 typically will...

...the IP address in order to determine exactly what network service or
resource is being **accessed** by the authorized remote **user** 18. The
remote **access** server 16 can keep the log in the database 30 or in any
other storage...

 2/6,K/7   (Item 1 from file: 349)

00563463   **Image available**
FULL-SERVICE RESEARCH BUREAU AND TEST CENTER METHOD AND APPARATUS
PROCEDE ET APPAREIL DE BUREAU DE RECHERCHE OFFRANT TOUS LES SERVICES ET DE
    CENTRE DE TEST
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 19919
Publication Year: 2000

Patent and Priority Information (Country, Number, Date):
  Patent: ... **20000511**
Fulltext Availability:
  Detailed Description

Detailed Description
... results across an insignificant sample size.

  O. Davis and V. Jain, Method and Apparatus for **Tracking   Client**
  Interaction with a **Network   Resource** and Creating Client Profiles and
  Resource Database, U.S.

  Patent No. 5,796,952 (18...

 2/6,K/8   (Item 2 from file: 349)

00496204
NETWORK ACCOUNTING AND BILLING SYSTEM AND METHOD
SYSTEME D'IMPUTATION COMPTABLE ET DE COMPTABILISATION DES TRANSACTIONS
    RESEAU, ET PROCEDE CORRESPONDANT
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 18919
Publication Year: 1999

Patent and Priority Information (Country, Number, Date):
  Patent: ... **19990603**
Fulltext Availability:
  Detailed Description

Detailed Description
... plan network resource provisioning, and audit service usage. The
  system provides a clear picture of **user** -level **network   service   use**
  by **tracking** a variety of metrics such as actual session Quality of
  Service (QoS),traffic routes, and...

 2/6,K/9   (Item 3 from file: 349)

00484627
INTEGRATED BUSINESS SYSTEM FOR WEB BASED TELECOMMUNICATIONS MANAGEMENT
SYSTEME   D'ECHANGES   COMMERCIAUX   INTEGRES   POUR   LA   GESTION   DE
    TELECOMMUNICATIONS SUR LE WEB
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 88075
Publication Year: 1999

Patent and Priority Information (Country, Number, Date):

Detailed Description
... based on certain criteria; 5) an
   outbound network management system enabling customers
   to manage and **track** features and **services** associated
   with their virtual networks ("Vnet") including
   management of calling party number orders, dialing
   plan...

...orting system
   allowing the customers access to t@eir billing and
   invoice reports associated with **network   services**
   provided to a customer; 9) a web-based call manager
   service enabling call center customers...order.

   Referring back to exemplar screen shown in
   Figure 12(b), with.regard to the **access** customization
   options, the **user** is enabled to specify or change an
   accounting HIDACC" code or supplemental code, by
   selecting...

...gr change the
   inbound access type, by selecting field 1575b. For
   example, selection of inbound **access** customization
   presents the **user** with a web page having an inbound
   access customization screen such as example screen
   display...f), depending upon the selected report
   format, the riyht hand entry field 1604 presents the
   user with the ollowin selectable **access** types: dial
   1, card, dedicated, 809 Remote Access, Direct Dial
   fax, store/forward fax, 800...that user's email address.

   As mentioned above with respect to Figure 10,
   the Report **Requestor** **client** application 212 gains
   access to the metadata stored at the Report Manager
   server 250 throug@ messaging. Particularly, as
   hereinafter described, a message generated by the
   Report **Requestor** in accordance with the **user** re uest
   is first received by the report manager proxy N01.

   In the preferred embodiment...

...appropriate service will e
   invoked after which a standard response is sent back
   to the **requesting** **client** .

   The Report Manager 250 implements stored
   procedures to translate the message,crrform the
   request, and...
...request
   retrieves the list of all user reports for the report
   .format selected from a **user** report table and is **used**
   only as a request for general report information,
   e.g., report title, status, etc.; 4...

...details of a specific user,s report; 5) Add report
   definition/Acknowledgment (ARD/ARDA) - which **requests**
   addition of a **user** -created re ort to a user reEgrt
   table. If the report is a scEeduled re...Inbox fetch
   "F" function is a bulk transfer request that enables
   bulk transfer of the **requested** file to the Inbox
   client .

   Referring back to Figure 12(b), after editing
   or modifying an existing report, the user...

...the report and exit. In this case, the
ARD message is sent from the Report **Requestor   client**
to the RM server and is saved in the RM inventory
database for subsequent execution...authentication, as described herein,
the first step
602 of Figure 15(a), indicates that a **user** has opened
the report **requester** dialog box from the nMCI Interact
home page (Figure 5(a)) by selecting the Report...

...step 610, the Report
inventory for the specific user is loaded and
displayed for the **user** on the **user** report **request**
display screen, enabling the **user** to select a report,
as indicated at step 612. Then, at step 615, the
selected...

...which are available for the Report format, as
described.

Once a report is created the **user** may save the
report **request** , e.g., by clicking a "Save and Exit"
button, or submit the request, as indicated...Generally, StarOE specifies
what general
categories of reports can be requested for a given
nMCI **Interact   subscriber** . These categories include.

) reports that only require data aggregation; 2)
reports that require call detail...retrieves the requested report data
from the
statistics database 571.

As described herein, when. the **user   requests**
call detail for a particular period of time, this
request is translated by the StarWRS...server, as indicated at steps 749
and 750 (Figure
23(b)).

At this point, the **user** can **interact** with the
RTM application to formulate a request, transmit it
and receive the results according...

...758 and the
process continues at st 759 for each successive
polling interval until etEe **user** terminates the
 request .

Figure 24 is an illustration depi.ct ing the nMCI
Interact RTM polling process. As...can look at t@e specific call records
that
made up those incomplete calls. The **subscriber** may
then **request** the management of the network to
restructure the network so as to reroute the incoming...reflection by
dynamically loading and executing the business logic
at the application server once the **client   request**
specification is received.

As described herein, the SI application server
2300 interfaces with the Le...Server
in a separate thread at step 503.

In operation, the Transaction Server receives a
 client transaction **request** , as shown at step 504. The
connection is accepted and Transaction Handler thread
is removed...request, it sends the
response to the Receiver.

Registry configuration consists of configuring
the Registry **client** which sends **request** messages to
CSM from the Service Inquiry Requester and Registry

server that receives responses trom...
...is only one TCP/IP connection always open
between the client and the server. The **client** P,@ts
its **requests** on its own local queue 2322 and it is
then forwarded to the queue on...out to an organization
o tained from the user up.front and stored in the **User**
Profile. This is done **using** an "Enter Activity
Request Transaction" which allows the customer to
enter different activities like 'Refer...

...is the creation and query of Troub-le
tickets and it accomplishes its tasks via **interaction**
with the **client** presentation layer and **interaction**
with the back-end systems. Information that is
gathered via the presentation layer is used...referred to as ICORMI"
(Common Objects RMI) which
provides an RMI-like interface between the **client** and
the server **using** the networkMCI Interact protocol.

The CORMI procedures implemented have additional
controls built in to provide...

...to-server
communication with Java RMI-like semantics and
comprises a library of Java classes **used** by @oth the
 client nplet and server application. In view of
Figure 2 , the communication path from the client...a serialized
remote interface of the remote object registered
earlier being&assed back to the **client** . The **client**
can then **use** is remote interface as it would with
Java RMI-doing remote method invocations. The remote...his/her routing
plans in accordance with that user's
privileges. To determine privileges, TFNM **user**
security profile information is **requested** from StarOE
that comprises a list of Corp Ids and AccessId
combinations, referred to herein as "RACF ID"
combinations that the customer is allowed to **access**
within TFNM. Particularly, **user** security profile
elements obtained from StarOE include: Corp Id, i.e.,
the Corporation Id the customer **user** has **access** to
within StarOE; and DefaultInd , i.e., a default CorpId
indicator having, for example, 'YI...

...StarOE security message, a communication
is made from the TFNM server@840 to NetCap 290
 requesting a **user** security profile. Particularly, the
messaging system implemented for all communications
between the TFNM server and...

...Security from NetCap is by Racf Id and Corp
Id. For each Corp Id a **user** has **access** to, that- **user**
must have a Racf Id. If a user has Enterprise level
security, then the list...1657 which is a
single selection list box populated with Set ID's that
the **user** has security **access** to for a chosen Corp ID;
a Number list box element 1658 which is a...the customer's chosen routing
plan with
changes tEat were made in NetCap since the **user** last
 accessed the s stem. The TFNM server database is
uEdated with tKe latest routing p lan...to invoke TFNM functions such as
the "IMPL"
depicted in Figure 26 as the IMPL **request** 822 which
enables the **user** to quickly change the number routing
plan that a working number or set of working numbers
is routing to; or "QUIK" depicted in Figure 26 as the
QUIK **request** 824 which enables the **user** to quickly
add, change and/or delete one or more termination
locations, and/or change...NLPs and
SRPs for a set of numbers that they want routed

differently. Via IMPL **request** messaging, the **user**
selects the desired routing plan for the number/set
and the desired date and time...

...IMPL order
(NIMPL) to NetCap.

It should be understood that, in the case of a
user implementing a TEMP IMPL **request** , the **user**
follows the samejrocedure as for the IMPL order,
e.g., selecting e desired routing plan...NLP, EVS or
SRP Plans. It should be understood that, in the case
of a **user** implementing a TEMP QUIK **request** , the **user**
selects the desired routing plan for the number/set,
the desired date and time when...preferred embodiment, a "CORMI" (Common
Objects RMI)
which provides an RMI-like interface between the
client and the server **using** the networkMCI Interact
protocol is implemented. The CORMI procedures
implemented have additional controls built in...of Figure 29(a), the user
is presented
with a web page 2725 displaying a **request** order window
where the **user** may enter search criteria from which a
user may select orders, or, choose all orders...was established as a
default with
<Set Dflt>, a pop-up message will prompt the **user** to
confirm **using** it as a default when you select <Use
Dflt>; an <Undo> button 2798 for removing...the order is to be
implemented by the
host; selecting a priority based on the **user** 's
security **access** privilege; establishing an order
status, e.g., approved or not approved for new orders
in...Nbr-PIN field 2892 that displays
the Calling Card number and associated PIN if the **user**
has security **access** to view the PINS; a Description
field 2894 which comprises a description assigned to
the...the order is to be implemented by the
host; selecting a priority based on the **user** 's
security **access** privilege; establishing an order
status, e.g., approved or not approved for new orders
in...the order is to be
implemented by the host; selecting a priority based on
the **user** 's security **access** privilege; establishing an
order status, e.g., approved or not approved for new
orders in...server 860 . Specifically,
the Dispatcher server 26 includes an integrated
Broadband proxy application to forward **user** **requests**
and responses to/from the Broadband server process 860
and to enable the Broadband functionality...Figure 5(b)) the user may
enter into the
Broadband Services system and particularly, to **access**
the Broadband **Client** front end. A client Broadband
applet is thus, downloaded to the customer who is
presented...categor
from drop down list; 3 allowing a customer to speciyy
range on statistic value **using** relational **operators**
and numerical values, e.g., value >=80%; 4) allowing a
customer to specify report date...

...automatically and
available when the default reports are produced
through the Broadband Inbox. Once the **user** submits
the custom report **request** it is forwarded to the
Broadband Inbox for subsequent view.
When basic service option is...on-line context
sensitive help for all.aspects of the Broadband WEB
application; 5) providing **access** to the Broadband
- 114
User 's Guide; 6) providing the ability to ppawn

separate dialog windows, ror exam le, to...

...applet is
initiated, as indicated at step 956. Via this applet,
the BroadBand View Inbox **client** **requests** all available
report data (headers) from the Report Location
Database as indicated at step 958...delete
i - (b)
function, as indicated at step 966. In response, at
step 970, the **client** submits a delete **request** to the
BB Inbox Server which locates the report, logs the
regest, deletes the file...and the user is provisioned with a level of
service which includes SNMP functionality, the **user**
has additional **access** to SNMP functions Get and Set.

The Get and Set re resent paired functionality which
is **accessed** when tKe **user** selects the SNMP Get/Set
olption 1732 from the BroadBand View Main Display of
Figure...

...create a series of objects,
SNMPGetSetFrame, SNMPGetSetView, SNMPGetSetModel and
SNMPGetSetController to handle the presentation
to/ **interaction** with the **user** . This also results in
the presentation of the get/set display window (Figure
34(g...receipt of the data, the
client closes the thread and updates the display.

Finally, the **user** may @ubmit **requests** for SNMP
variables from other circuits, or, may end the
session. Likewise, when the user...

...thread
and updates the display, acknowledging that the
circuit name has been changed. Finally, the **user** may
submit new **requests** to set SNMP variables from other
circuits, or, may end the session. As in the PCT/US98/20170
- 12 2
through the report **requestor** ,-a **user** may specify
whether the user should be paged or e-mailed when a
report is...

...communicated from the client browser
to the event monitor server 1050.

Specifically, the dispatcher forwards **user**
 requests to the event monitor server process 1050 that
employs an integrated p:@oxy application 1040...t e COApplet class.

For determining the user's event monitor service
options, the GUI **client** application **requests** and
retrieves **user** profiles including the user
entitlements from an event monitor customer database
@opulated by a periodic...the various client terminals via
the client browser applications and stores such
information as the **user** 's log on password, **access**
security, and the various alarm descriptions and their
status as reported by network management system 1004.

Database 1010 includes a number of tables of data
which are **accessed** by the **client** browser application
GUI to event displays, including alarm displays, alarm
report, facilities cross-references and event log
3 0
displays. In addition to the StarOE autheiatication
and entitlement checking, **user** **access** to database 1010
is monitored by SQL server 1016; levels of security
may be provided...A list of corporate
identifiers related to the customer's enterprise and

for which the **user** is authorized **access** .

Facilities: All elements of a physical telephone
plant.required to provide a service and to which the
 user is authorized **access** (for example, trunk groups
and circuits).

Data Elements: The user can configure a
customized event...the SCP host
1110. The presence of the call manager webstation
1130 does not,3reclude **use** of the Nexus **client** Call Manager
Webstation architecture
Figure 41 illustrates call manager webstation
component architecture showing interconnections among...client we
stations 1130 when the
Uniform Resource Locator (URL) for the call manager
webstation **client** GUI application is **accessed** .

The call manager webstation **client** GUI
application of the system of the present invention is
typically invoked by clicking a...Figure 41) via
the web server 1132 are conducted using the common
gateway interface (CGI). **Requests** from the **client** are
typically first targeted at a CGI.program, which then
relays the request to the appropriate proxy process.

Results are returned from back-end processes to the
 requesting **client** in the same manner. Each
transaction or data request may be,executed as a
seEarate...

...service manager 1152 and a message
manager 1156. The HTTP service manager 1152 generally
handles **requests** from multiple **clients** 1130 to
download web pages and.Java ap lets for display within
a ...HTTP service mana er 1152 downloads the
HTML files and Java applets 954 to the **client** 1130
upon **request** via the HTTPS @ort 1150, typically
configured to port number 4 3. Each transaction from...for each message
transaction sent to web server 1132. Each messale
transaction is a single **request** from the **client** 0
that is answered by a single reply from the web server
1132.

The web...shown, the
call manager web servers-1132 directly communicate the
MML messages, i.e., translated **client** **requests** , to
the Nexus SCP host 1110. In addition, in this
embodiment, it is the SCP...table for managing host sessions. As
described above, the proxy server 1170 generally
handles webstation **client** 20 **requests** passed from the
web servers 1132 by accepting message transactions
from the webstation client 20...

 2/6,K/10   (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00452916   **Image available**
METHOD AND APPARATUS FOR TRACKING CLIENT INTERACTION WITH A NETWORK
     RESOURCE AND CREATING CLIENT PROFILES AND RESOURCE DATABASE
PROCEDE ET APPAREIL PERMETTANT LE SUIVI DE L'INTERACTION ENTRE UN SYSTEME
    CLIENT ET UNE RESSOURCE RESEAU ET LA CREATION DE PROFILS CLIENTS ET
    D'UNE BASE DE DONNEES DE RESSOURCES
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 14182

Publication Year: 1998

METHOD AND APPARATUS FOR TRACKING CLIENT INTERACTION **WITH A** NETWORK
   RESOURCE **AND CREATING CLIENT PROFILES AND RESOURCE DATABASE**
Patent and Priority Information (Country, Number, Date):
  Patent: ... **19981001**
Fulltext Availability:
  Detailed Description

Detailed Description
  METHOD AND APPARATUS FOR **TRACKING   CLIENT**
   INTERACTION WITH A **NETWORK   RESOURCE** AND
  CREATING CLIENT PROFILES AND RESOURCE DATABASE
  Field of the Invention
  The present invention relates to a method and
  apparatus for monitoring **client   use** of and **interaction** with
  aresource downloaded from a server on a computer network,
  for storing monitored data, for...

 2/6,K/11   (Item 5 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00440650   **Image available**
METHOD AND SYSTEM FOR TRACKING NETWORK USE
PROCEDE ET SYSTEME DE SUIVI DE L'UTILISATION DES RESEAUX
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 10469
Publication Year: 1998

Patent and Priority Information (Country, Number, Date):
  Patent: ... **19980716**
Fulltext Availability:
  Detailed Description

Detailed Description
  METHOD AND SYSTEM FOR TRACKING NETWORK USE
  This invention is a method and system for **tracking   subscriber   use**
  of
   network   applications , particularly **network   applications** involving
  delivery of interactive media or video programming.
  BACKGROUND OF THE INVENTION
  Broadcast and cable...

 2/6,K/12   (Item 6 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00323173
APPARATUS AND METHOD FOR ACCESSING A LOCAL COMPUTER NETWORK
PROCEDE ET DISPOSITIF D'ACCES A UN RESEAU LOCAL D'ORDINATEURS
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 5070
Publication Year: 1996

Patent and Priority Information (Country, Number, Date):
  Patent: ... **19960222**
Fulltext Availability:
  Detailed Description

Detailed Description
  ... has an IP address under
  the per-user IP addressing scheme, it is possible to

track via IP address the **network** **services** accessed by
particular remote users. Once a **user** has been provided
 access to the network itself, following any type of
optional user authentication procedure which includes
but is not limited to the **use** of the per- **user** IP
address, it is possible to use IP addresses to ensure
that only certain remote...specific
network services based on IP address.

The user authorization feature allows an authorized
remote **userfs** **use** of **network** **services** and **resources** to
be **tracked** via IP address. That is, the remote access
server 16 can keep a log of...

...user's remote
computer 12 passes through the server 16 and (ii) the
IP address **used** by the remote **user** 's remote computer 12
uniquely identifies the remote user 18. The server 16
typically will...

...the
IP address in order to determine exactly what network
service or resource is being **accessed** by the authorized
remote **user** 18. The remote **access** server 16 can keep
the log in the database 30 or in any other storage...
?s (image or IMG) (3w) (tag? or UR1? or anchor?)
>>>File 348 processing for TAG? stopped at TAGSTAIRBAGS
>>>File 349 processing for TAG? stopped at TAGAAGTTCC
>>>File 654 processing for TAG? stopped at TAGNTO
Processing
Processing
Processed 10 of 15 files ...
Completed processing all files
        3111949   IMAGE
           4198   IMG
        234382   TAG?
         52955   URL?
        412091   ANCHOR?
    S3   3940   (IMAGE OR IMG) (3W) (TAG? OR URL? OR ANCHOR?)
?s s1 (s) s3
         335   S1
       3940   S3
    S4   8   S1 (S) S3
?s s4/6,k/all
>>>Invalid syntax
?t s4/6,k/all

 4/6,K/1   **(Item 1 from file: 654)**
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

5718825 **IMAGE Available
Derwent Accession: 2003-531770
Utility
**Method and apparatus for tracking client interaction with a network
resource downloaded from a server**

Fulltext Word Count: 12025
Number of Claims: 24
Exemplary or Independent Claim Number(s): 1
Number of Drawing Sheets: 7
Number of Figures: 7
Number of US cited patent references: 10

Description of the Invention:
   ...Accordingly, as will be appreciated by those of ordinary skill in
the art, as **used** herein, the term " **client** " refers to a client
computer (or machine) on a network, or to a process, such...

...for example, a "client machine" can store and one or more "client

processes." The term " **user** " is **used** to broadly refer to one or more persons that **use** a particular **client** machine...that utilize the Hypertext Transfer Protocol (HTTP). HTTP is a known application protocol that provides **users** **access** to resources (which can be information in different formats such as text, graphics, images, sound...

...are specified via a Uniform Resource Locator or "URL". Upon specification of a link, the **client** makes a TCP/IP **request** to the server and receives information that was specified in that URL (for example another...instruction sets, sound and video files in addition to HTML documents (Web pages) to the **requesting** **client** .
   . . .

...a different server than the resource, in which case it may be obtained by the **client** through a TCP/IP **request** to the other server. The tracking program executes on a client machine, and is stored...

...such as time, mouse events, keyboard events, and the like, in order to track a **user** 's **interaction** with the Web page. Thus, the tracking program may simply monitor the amount of time the **user** spends **interacting** with the Web page, or may monitor details of choices (such as links) made by...resource obtained over the network (or temporarily store a copy of the resource on the **user** 's computer), and may **use** the cached copy of the resource instead of obtaining it over the Internet when the...or all mouse and keyboard events to provide meaningful data to the server concerning the **user** 's **interaction** with the Web page...

...a client when the HTML document is served to the client in response to a **client** TCP/IP **request** . During or after the **client** formats and displays the Web page specified by the HTML document, the tracking program beginsAs illustrated, for example, in FIG. 3, the **client** issues a TCP/IP **request** for a Web page located on a Server A (S301). After a handshaking period, the...

...client leaves the Web page (S307), the tracking program calculates the amount of time the **user** has **interacted** with and displayed the Web page and sends this information to a server. Other available...rates of 64 through 128 kilobits per second, and standard phone lines, over which most **users** transmit data, currently transmit **using** modems at approximately 28.8 kilobits per second. In the case of a 640X480 pixel... makes a request for information from a server it typically includes certain information about the **client** in the "HTTP **request** header." The server receiving the request can obtain and store this information using known means...ID, the associated link (the URL of the Web page), the amount of time the **user** spent **interacting** with the Web page, and any selections or choices made by the **user** while **interacting** with the Web page. Thus, the above-described tracking program permits Web site administrators and...

...a particular Web page, but also permits the accurate determination of the length of time **users** have displayed and/or **interacted** with their Web page. This is invaluable information to Internet advertisers, among others, and permits...of the invention is illustrated in FIG. 4. A Web page (or HTML document) is **requested** by the **client** from a first server A, using TCP/IP and HTTP protocols (S401). This HTML document...

...the Internet. These images are embedded inside the Web page using the known HTML < **IMG** > **tag** , which allows one to specify the source URL for an image, as well as additional...

...such as size and other layout parameters. These images will then be fetched by the **client** **using** TCP/IP and HTTP protocols from Server A (S402) and rendered on the browser (S405...

...a CGI script. This resource is also embedded inside the Web page using the < **IMG** > **tag** . Thus, in attempting to render the Web page, the client will automatically fetch this resource...timer of the tracking program may be used in monitor the amount of time a **user** spends **interacting** with a portion of a Web page. For example, if the Web page

is provided...

...activated by clicking on a particular button, the tracking program may determine how long a **user** has **interacted** with such a selection. In the case of a Web page provided with an ad banner, the tracking program can be designed to monitor the amount of time a **user** has **interacted** with the ad banner...user is exposed to an ad banner having information targeted to their particular interests, the **user** is more likely to **interact** with that ad banner for a longer period of time and on a more frequent...

...the particular interests of respective users, an ad banner may include specific information permitting the **user** to **interact** in different ways with the banner. The ad banner may have pull-down menu options...is downloaded, as described above, with the HTML document in response to a TCP/IP **client** **request** . As above, the tracking program may monitor the amount of time the user spends displaying...

...the ad banner embedded in the Web page as a whole, but also monitors the **user** 's **interaction** with the Web page and the ad banner, such as by monitoring each of the...Previous choices made by a user on a particular client computer and stored in a **user** profile database may be **used** to determine which of the resources is to be downloaded to that **client** **using** simple logical processing instructions. For instance, a user profile which indicates that a user has...

...A particular implementation of this mechanism is illustrated in FIG. 6. A Web page is **requested** by the **client** from Server A (S601). This Web page contains text, as well as embedded images which...

...CGI script 1, which is embedded inside the Web page using the standard HTML < **IMG** > **tag** (S603). In attempting to render the Web page, the client will automatically fetch the resource associated with the < **IMG** > **tag** on Server B, which will result in execution of the CGI script 1. This CGI...as URL), and includes information such as URL of the Web document, number of times **accessed** , identity of **clients** that **accessed** the Web document, amount of time displayed, amount of data displayed, average time displayed, numberIn particular, a Web page is **requested** by the **client** from Server A (S701). This Web page contains text, as well as embedded images which...

...a CGI script, which is embedded inside the Web page using the standard HTML < **IMG** > **tag** (S703). In attempting to render the Web page, the client will automatically fetch the resource...In yet another embodiment, the tracking program is used to assemble a bill for the **user** 's **access** to information. For example, **users** who have **access** to a live news or entertainment feed may be charged according to the amount of ...

...leaves. Together with the user's ID (client and network), and billing information that the **user** was previously **requested** to enter, it is possible to ...also incorporates tracking mechanisms. When the page is rendered and the Crossword program commences, a **user** is able to **use** the keyboard and mouse to fill in letters on the Web page based on clues ...

...server for storage (S610). When the user later returns to that page, the network or **client** ID is **used** to automatically fill in the letters in the crossword that were previously selected (As in...preferred embodiments have been described in connection with JAVA applets that are executable on a **client** , the tracking of **user** **interaction** may be accomplished by a client executable program written in a language other than JAVA...program running on the server can be used to determine the total time period the **user** has **interacted** with and displayed the Web page...
...Server B) are different servers, this is not a requirement of the present invention. The **network** **resource** (Web page) and the **tracking** program may be served out by the same server...activation of the tracking program and the uploading of a client profile based upon the **user** 's

interaction with a Web page or network resource...Also, while in the above-described embodiments, the **client** profile is created automatically **using** information acquired by the tracking program and one or more CGI scripts and is stored...

...manner and/or supplemented by additional information. For example, one such technique for creating a **client** profile is through the **use** of HTML "fill-in" form tags. In such cases, the client profile is created not...

...the context of Web browser software, the techniques of the invention apply equally whether the **user** **accesses** a local area network, a wide area network, a public network, a private network, the...

4/6,K/2   (Item 2 from file: 654)
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

5625050 **IMAGE Available
Derwent Accession: 2002-454252
Utility
System and method for tracking usage of multiple resources by requesting for retrieving a non-existent files, and causing query information to be stored in an error log

Fulltext Word Count: 7684
Number of Claims: 23
Exemplary or Independent Claim Number(s): 1
Number of Drawing Sheets: 14
Number of Figures: 15
Number of US cited patent references: 14

Description of the Invention:
    ...The present invention provides and employs a system, herein call the Broken Image **Tracking** ("BIT") system, for **tracking** user information for users of a **web** **resource** , such as a web site, web tool, or shared web application. With BIT, the web page generating program (e.g., a web tool program) inserts a "broken **image** " **tag** in various (or even all) of the web pages transmitted to a user. In general, a BIT tag is a HTML **image** **tag** (or equivalent) with a BIT URL, i.e., a URL that includes embedded user information...

...image-retrieving browser to an information gathering ("broken image") web server. With the designated broken **image** file in the **URL** , the broken image server will attempt but will not be able to find and retrieve...

...convenient--especially when relevant user information for a given web tool is being collected for **users** **accessing** the web tool through multiple implementations and/or instantiations of the web tool such as...

...the broken image server 116 includes an Internet program 114 having an error log 117 **used** for storing **user** information relating to web **users** **use** of the web tools 113A through 113C. Note that while three servers are shown, the...programs 114 enable web tool servers 112 to function as web servers thereby providing web **users** 120 with **access** to web tool programs 113, which include BIT insertion. On the other hand, the primary...e., forum server 1, forum server 2, and forum server 3) for providing customer web **users** with **access** to a **user** forum (message boards, etc.) relating to a company's product or products. An example of ...
...Packard's www.hp.com web site in its "Customer Care Center" where the "HP **User** Community Forum" may be **accessed** for communicating with other HP customers about HP products of interest. The forum servers (of which there could be any number) are redundantly **used** for implementing the **user** forum in order to provide load balancing and to increase reliability...for all web users 120 can be stored in error log 117. In this way, **user** information for all **users** **using** this (or any other) web tool within the organization web system 110) is accumulated within...

tag for this web page is highlighted at 210. Even though this tag is an **image tag**, it is configured so that the browser will not display an error graphic in response...

...With reference to FIG. 3, the BIT **image tag** 210 is shown with its constituent components separately highlighted. BIT tag 210 generally includes an **image tag** identifier 305 a display size segment 310, a BIT URL 320, and a format segment 340. The **image tag** identifier, "img" at 305, is a HTML instruction that identifies the tag as an **image tag**. It generally causes a browser to retrieve and display the graphic file specified in the...In operation a web user (via a web **user** computer 120) could **access** a mail support system through a web page such as the web page of FIGS...is shown for the depicted e-mail support system. The BIT tag generally includes an **image tag** identifier 755, a display size segment 760, a BIT URL 770, and a format segment...the e-mail support tool server 712. This approximately corresponds to the time when the **user** submitted the support **request**. The last segment, "[sub]-- 2y8DTo3" at 787 is a unique, randomly-generated query identifier for...

 4/6,K/3   (Item 3 from file: 654)
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

5565633 **IMAGE Available
Derwent Accession: 2004-279809
Utility
E/ **Secure gateway interconnection in an e-commerce based environment**

Fulltext Word Count: 104984
Number of Claims: 16
Exemplary or Independent Claim Number(s): 5
Number of Drawing Sheets: 111
Number of Figures: 179
Number of US cited patent references: 108
Number of non-US cited patent references: 8
Number of non-patent cited references: 26

Description of the Invention:
    ...checkpoint that the work on the change request meets the business needs of the change **requester** .

 4/6,K/4   (Item 4 from file: 654)
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

5421126 **IMAGE Available
Derwent Accession: 2002-697763
Utility
E/ **Method and apparatus for tracking client interaction with a network resource and creating client profiles and resource database**

Fulltext Word Count: 15629
Number of Claims: 59
Exemplary or Independent Claim Number(s): 1
Number of Drawing Sheets: 11
Number of Figures: 11
Number of US cited patent references: 9

Description of the Invention:
    ...Accordingly, as will be appreciated by those of ordinary skill in the art, as **used** herein, the term " **client** " refers to a client computer (or machine) on a network, or to a process, such...

...for example, a "client machine" can store and one or more "client processes." The term " **user** " is **used** to broadly refer to one or more persons that **use** a particular **client** machine...that utilize the Hypertext Transfer Protocol (HTTP). HTTP is a known application protocol

that provides **users** **access** to resources (which can be information in different formats such as text, graphics, images, sound...

...are specified via a Uniform Resource Locator or "URL". Upon specification of a link, the **client** makes a TCP/IP **request** to the server and receives information that was specified in that URL (for example another...instruction sets, sound and video files in addition to HTML documents (Web pages) to the **requesting** **client** .
   ...

...a different server than the resource, in which case it may be obtained by the **client** through a TCP/IP **request** to the other server. The tracking program executes on a client machine, and is stored...

...such as time, mouse events, keyboard events, and the like, in order to track a **user** 's **interaction** with the Web page. Thus, the tracking program may simply monitor the amount of time the **user** spends **interacting** with the Web page, or may monitor details of choices (such as links) made by...resource obtained over the network (or temporarily store a copy of the resource on the **user** 's computer), and may **use** the cached copy of the resource instead of obtaining it over the Internet when the...or all mouse and keyboard events to provide meaningful data to the server concerning the **user** 's **interaction** with the Web page...

...a client when the HTML document is served to the client in response to a **client** TCP/IP **request** . During or after the **client** formats and displays the Web page specified by the HTML document, the tracking program beginsAs illustrated, for example, in FIG. 3, the **client** issues a TCP/IP **request** for a Web page located on a Server A (S301). After a handshaking period, the...

...client leaves the Web page (S307), the tracking program calculates the amount of time the **user** has **interacted** with and displayed the Web page and sends this information to a server. Other available...rates of 64 through 128 kilobits per second, and standard phone lines, over which most **users** transmit data, currently transmit **using** modems at approximately 28.8 kilobits per second. In the case of a 640X480 pixel... makes a request for information from a server it typically includes certain information about the **client** in the "HTTP **request** header." The server receiving the request can obtain and store this information using known means...ID, the associated link (the URL of the Web page), the amount of time the **user** spent **interacting** with the Web page, and any selections or choices made by the **user** while **interacting** with the Web page. Thus, the above-described tracking program permits Web site administrators and...

...a particular Web page, but also permits the accurate determination of the length of time **users** have displayed and/or **interacted** with their Web page. This is invaluable information to Internet advertisers, among others, and permits...of the invention is illustrated in FIG. 4. A Web page (or HTML document) is **requested** by the **client** from a first server A, using TCP/IP and HTTP protocols (S401). This HTML document...

...the Internet. These images are embedded inside the Web page using the known HTML< **IMG** > **tag** , which allows one to specify the source URL for an image, as well as additional...

...such as size and other layout parameters. These images will then be fetched by the **client** **using** TCP/IP and HTTP protocols from Server A (S402) and rendered on the browser (S405...

...a CGI script. This resource is also embedded inside the Web page using the < **IMG** > **tag** . Thus, in attempting to render the Web page, the client will automatically fetch this resource...timer of the tracking program may be used in monitor the amount of time a **user** spends **interacting** with a portion of a Web page. For example, if the Web page is provided...

...activated by clicking on a particular button, the tracking program may

determine how long a **user** has **interacted** with such a selection. In the case of a Web page provided with an ad banner, the tracking program can be designed to monitor the amount of time a **user** has **interacted** with the ad banner...user is exposed to an ad banner having information targeted to their particular interests, the **user** is more likely to **interact** with that ad banner for a longer period of time and on a more frequent...

...the particular interests of respective users, an ad banner may include specific information permitting the **user** to **interact** in different ways with the banner. The ad banner may have pull-down menu options...is downloaded, as described above, with the HTML document in response to a TCP/IP **client** **request** . As above, the tracking program may monitor the amount of time the user spends displaying...

...the ad banner embedded in the Web page as a whole, but also monitors the **user** 's **interaction** with the Web page and the ad banner, such as by monitoring each of the...Previous choices made by a user on a particular client computer and stored in a **user** profile database may be **used** to determine which of the resources is to be downloaded to that **client** **using** simple logical processing instructions. For instance, a user profile which indicates that a user has...

...A particular implementation of this mechanism is illustrated in FIG. 6. A Web page is **requested** by the **client** from Server A (S601). This Web page contains text, as well as embedded images which...

...CGI script 1, which is embedded inside the Web page using the standard HTML< **IMG** > **tag** (S603). In attempting to render the Web page, the client will automatically fetch the resource associated with the < **IMG** > **tag** on Server B, which will result in execution of the CGI script 1. This CGI...as URL), and includes information such as URL of the Web document, number of times **accessed** , identity of **clients** that **accessed** the Web document, amount of time displayed, amount of data displayed, average time displayed, numberIn particular, a Web page is **requested** by the **client** from Server A (S701). This Web page contains text, as well as embedded images which...

...a CGI script, which is embedded inside the Web page using the standard HTML< **IMG** > **tag** (S703). In attempting to render the Web page, the client will automatically fetch the resource...In another embodiment, illustrated in FIG. 8, a **client** 815 **requests** an HTML document 820 from Server A1800. The HTML document 820 has an embedded reference...

...The resource comprises two components, each of which are stored on Server A2805. Once the **client** has **requested** the HTML document 820 from Server A1800, the client downloads an executable program 825 from... program retrieves the client ID 830. Next, the client retrieves the resource ID 835. The **client** then **requests** the first component of the resource 840, which is stored on Server A2805. The client 815 then renders and/or executes the first component 850 of the resource, allowing for **user** **interaction** with the first component. The executable program tracks the **user** 's **interaction** with the first component 845. The **client** 815 **requests** the second component of the resource 855 and the executable program tracks the **user** 's **interaction** with the second component of the resource 860...

...Once the **user** **interaction** is complete 865, the executable program packages the client ID, the resource ID, and the...In another embodiment, illustrated in FIG. 9, a **client** 915 **requests** an HTML document 920 from a Server A1900. The HTML document has an embedded reference...
...After the **client** 915 has **requested** from Server A1900 the HTML document with an embedded reference to a resource, the client...this example, it is assumed that the first component of the embedded resource allows for **user** **interaction** . As the **user** **interacts** with the first component, the component keeps track of the **user** 's **interaction** . At some point, the **user** **interaction** may determine that it is appropriate to start the second component of the embedded resource...

...animation functionality to the client. The second component, thus downloaded and functioning 950 on the **client** 915, tracks **user interaction** with the second componentWhen the **user interaction** with the second component so indicates, via the logic of the script associated with the...

...Once this third component is downloaded, the client 915 renders the form 960 and allows **user interaction** for filling in the form 965. The form fill-in component tracks this **user interaction** with the component...

...At some point, the **user** 's **interaction** will indicate that the **user** has left the HTML document which contained the resource for which the three components were...as one in which the individual components of the resource do the tracking of the **client interaction** such that the **client interaction** tracking data generated by each of the components is in the proper format, except for...

...be designed such that some or all of them do not generate data about each **user interaction** which is usable in the database 990, but rather pass the interaction data to the...executable program may decide at a given time, by way of example: based on time, **user interaction** , **request** of Server B 910, or instructions contained in the HTML document, to collect tracking information...FIG. 9, it is assumed that the first component of the embedded resource allows for **user interaction** . As the **user interacts** with the first component, the component keeps track of the **user** 's **interaction** . At some point, the **user interaction** may determine that it is appropriate to start the second component of the embedded resource...

...animation functionality to the client. The second component, thus downloaded and functioning 950 on the **client** 915, tracks **user interaction** with the second component...

...When the **user interaction** with the second component so indicates, via the logic of the script associated with the...
...Once this third component is downloaded, the client 915 renders the form 960 and allows **user interaction** for filling in the form. The form fill-in component tracks **user interaction** with the ...not by way of limitation, the time, a request from Server B 910, a particular **user interaction** , or instructions contained in the HTML document in which the resource is embedded, the executable...

...In another embodiment, illustrated in FIG. 11, a **client** 1115 **requests** an HTML document 1120 from a Server A11100. The HTML document has an embedded referenceAfter the **client** 1115 has **requested** from Server A11100 the HTML document with an embedded reference to a resource, the client...

...this example, it is assumed that the first component of the embedded resource allows for **user interaction** ; however, since in this embodiment we are not interested in tracking **user interaction** with the first component, the first component does not track user interactions. At some point, the **user interaction** may determine that it is appropriate to start the second component of the embedded resource ...

...animation functionality to the client. The second component, thus downloaded and functioning 1150 on the **client** 1115, tracks **user interaction** with the second component. As the second component tracks user interactions, it may decide to send **user interaction** information to Server B 1110. If so, the second component will retrieve ID-tagging data from the executable program and appropriately tag the **user interaction** information with the ID-tagging data 1172. The second component will then send the tagged **user interaction** information to Server B 1110 for storage in database 1190 and possible later analysis...

...When the **user interaction** with the second component so indicates, via the logic of the script associated with the...

...Once this third component is downloaded, the client 1115 renders the
form 1160 and allows **user interaction** for filling in the form. The
form fill-in component tracks this **user interaction** with the
component...

...with the second component, the third component tracks user interactions
and may decide to send **user interaction** information to Server B 1110.
If so, the third component will retrieve ID-tagging data from the
executable program and appropriately tag the **user interaction**
information with the ID-tagging data 1170. The third component will then
send the tagged **user interaction** information to Server B 1110 for
storage in database 1190 and possible later analysis...

...In yet another embodiment, the tracking program is used to assemble a
bill for the **user** 's **access** to information. For example, **users** who
have **access** to a live news or entertainment feed may be charged
according to the amount of...

...leaves. Together with the user's ID (client and network), and billing
information that the **user** was previously **requested** to enter, it is
possible to determine the correct charge for the user. Similarly, a...

...also incorporates tracking mechanisms. When the page is rendered and the
Crossword program commences, a **user** is able to **use** the keyboard and
mouse to fill in letters on the Web page based on clues...

...server for storage (S610). When the user later returns to that page, the
network or **client** ID is **used** to automatically fill in the letters in
the crossword that were previously selected (As in...preferred
embodiments have been described in connection with JAVA applets that are
executable on a **client** , the tracking of **user interaction** may be
accomplished by a client executable program written in a language other
than JAVA...program running on the server can be used to determine the
total time period the **user** has **interacted** with and displayed the Web
page...

...Server B) are different servers, this is not a requirement of the
present invention. The **network resource** (Web page) and the **tracking**
program may be served out by the same server...activation of the tracking
program and the uploading of a client profile based upon the **user** 's
interaction with a Web page or network resource...Also, while in the
above-described embodiments, the **client** profile is created
automatically **using** information acquired by the tracking program and
one or more CGI scripts and is stored...

...manner and/or supplemented by additional information. For example, one
such technique for creating a **client** profile is through the **use** of
HTML "fill-in" form tags. In such cases, the client profile is created
not...

...the context of Web browser software, the techniques of the invention
apply equally whether the **user** **accesses** a local area network, a wide
area network, a public network, a private network, the...

 4/6,K/5   (Item 5 from file: 654)
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

0005253401 **IMAGE Available
Derwent Accession: 2003-616659
Database schema for structure query language (SQL) server

Fulltext Word Count: 77185
Number of Claims: 43
Exemplary or Independent Claim Number(s):
1,7,11,15,20,23,24,25,26,27,28,37,43
Number of Drawing Sheets: 12
Number of Figures: 13

Description of the Invention:
   ...0766]   string **UserName**

   [

4/6,K/6   (Item 6 from file: 654)
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

0005004531 **IMAGE Available
Derwent Accession: 2002-454252
**System and method for tracking usage of multiple resources provided from
multiple locations**

Fulltext Word Count: 9201
Number of Claims: 20
Exemplary or Independent Claim Number(s): 1,12,18,20
Number of Drawing Sheets: 14
Number of Figures: 15

Description of the Invention:
   ...0021]   The present invention provides and employs a system, herein
   call the Broken Image **Tracking** ("BIT") system, for **tracking** user
   information for users of a **web resource** , such as a web site, web
   tool, or shared web application. With BIT, the web page generating
   program (e.g., a web tool program) inserts a "broken **image** " **tag** in
   various (or even all) of the web pages transmitted to a user. In general,
   a BIT tag is a HTML **image tag** (or equivalent) with a BIT URL, i.e., a
   URL that includes embedded user information...
   ...image-retrieving browser to an information gathering ("broken image")
   web server. With the designated broken **image** file in the **URL** , the
   broken image server will attempt but will not be able to find and
   retrieve...convenient-especially when relevant user information for a
   given web tool is being collected for **users accessing** the web tool
   through multiple implementations and/or instantiations of the web tool
   such as...

4/6,K/7   (Item 7 from file: 654)
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

4403806 **IMAGE Available
Derwent Accession: 2001-158052
Utility
E/ **Method and apparatus for tracking client interaction with a network
resource and creating client profiles and resource database**

Fulltext Word Count: 12972
Number of Claims: 53
Exemplary or Independent Claim Number(s): 1
Number of Drawing Sheets: 7
Number of Figures: 7
Number of US cited patent references: 9

Description of the Invention:
   ...Accordingly, as will be appreciated by those of ordinary skill in
   the art, as **used** herein, the term " **client** " refers to a client
   computer (or machine) on a network, or to a process, such...

   ...for example, a "client machine" can store and one or more "client
   processes." The term " **user** " is **used** to broadly refer to one or more
   persons that **use** a particular **client** machine...that utilize the
   Hypertext Transfer Protocol (HTTP). HTTP is a known application protocol
   that provides **users access** to resources (which can be information in
   different formats such as text, graphics, images, sound...

   ...are specified via a Uniform Resource Locator or "URL". Upon
   specification of a link, the **client** makes a TCP/IP **request** to the
   server and receives information that was specified in that URL (for

example another...instruction sets, sound and video files in addition to HTML documents (Web pages) to the **requesting client** .
...

...a different server than the resource, in which case it may be obtained by the **client** through a TCP/IP **request** to the other server. The tracking program executes on a client machine, and is stored...

...such as time, mouse events, keyboard events, and the like, in order to track a **user** 's **interaction** with the Web page. Thus, the tracking program may simply monitor the amount of time the **user** spends **interacting** with the Web page, or may monitor details of choices (such as links) made by...resource obtained over the network (or temporarily store a copy of the resource on the **user** 's computer), and may **use** the cached copy of the resource instead of obtaining it over the Internet when the...or all mouse and keyboard events to provide meaningful data to the server concerning the **user** 's **interaction** with the Web page...

...a client when the HTML document is served to the client in response to a **client** TCP/IP **request** . During or after the **client** formats and displays the Web page specified by the HTML document, the tracking program beginsAs illustrated, for example, in FIG. 3, the **client** issues a TCP/IP **request** for a Web page located on a Server A (S301). After a handshaking period, the...

...client leaves the Web page (S307), the tracking program calculates the amount of time the **user** has **interacted** with and displayed the Web page and sends this information to a server. Other available...rates of 64 through 128 kilobits per second, and standard phone lines, over which most **users** transmit data, currently transmit **using** modems at approximately 28.8 kilobits per second. In the case of a 640X480 pixel... makes a request for information from a server it typically includes certain information about the **client** in the "HTTP **request** header." The server receiving the request can obtain and store this information using known means...ID, the associated link (the URL of the Web page), the amount of time the **user** spent **interacting** with the Web page, and any selections or choices made by the **user** while **interacting** with the Web page. Thus, the above-described tracking program permits Web site administrators and...

...a particular Web page, but also permits the accurate determination of the length of time **users** have displayed and/or **interacted** with their Web page. This is invaluable information to Internet advertisers, among others, and permits...of the invention is illustrated in FIG. 4. A Web page (or HTML document) is **requested** by the **client** from a first server A, using TCP/IP and HTTP protocols (S401). This HTML document...

...the Internet. These images are embedded inside the Web page using the known HTML < **IMG** > **tag** , which allows one to specify the source URL for an image, as well as additional...

...such as size and other layout parameters. These images will then be fetched by the **client** **using** TCP/IP and HTTP protocols from Server A (S402) and rendered on the browser (S405...

...a CGI script. This resource is also embedded inside the Web page using the < **IMG** > **tag** . Thus, in attempting to render the Web page, the client will automatically fetch this resource...timer of the tracking program may be used in monitor the amount of time a **user** spends **interacting** with a portion of a Web page. For example, if the Web page is provided...

...activated by clicking on a particular button, the tracking program may determine how long a **user** has **interacted** with such a selection. In the case of a Web page provided with an ad banner, the tracking program can be designed to monitor the amount of time a **user** has **interacted** with the ad banner...user is exposed to an ad banner having information targeted to their particular interests, the **user** is more likely to **interact** with that ad banner for a longer period of time and on a more

frequent...

...the particular interests of respective users, an ad banner may include
specific information permitting the **user** to **interact** in different
ways with the banner. The ad banner may have pull-down menu options...is
downloaded, as described above, with the HTML document in response to a
TCP/IP **client** **request** . As above, the tracking program may monitor the
amount of time the user spends displaying...

...the ad banner embedded in the Web page as a whole, but also monitors the
user 's **interaction** with the Web page and the ad banner, such as by
monitoring each of the...Previous choices made by a user on a particular
client computer and stored in a **user** profile database may be **used** to
determine which of the resources is to be downloaded to that **client**
using simple logical processing instructions. For instance, a user
profile which indicates that a user has...

...A particular implementation of this mechanism is illustrated in FIG. 6.
A Web page is **requested** by the **client** from Server A (S601). This Web
page contains text, as well as embedded images which...

...CGI script 1, which is embedded inside the Web page using the standard
HTML < **IMG** > **tag** (S603). In attempting to render the Web page,
the client will automatically fetch the resource associated with the <
IMG > **tag** on Server B, which will result in execution of the CGI
script 1. This CGI...as URL), and includes information such as URL of the
Web document, number of times **accessed** , identity of **clients** that
accessed the Web document, amount of time displayed, amount of data
displayed, average time displayed, numberIn particular, a Web page is
requested by the **client** from Server A (S701). This Web page contains
text, as well as embedded images which...

...a CGI script, which is embedded inside the Web page using the standard
HTML < **IMG** > **tag** (S703). In attempting to render the Web page,
the client will automatically fetch the resource...In yet another
embodiment, the tracking program is used to assemble a bill for the **user**
's **access** to information. For example, **users** who have **access** to a
live news or entertainment feed may be charged according to the amount of
. . .

...leaves. Together with the user's ID (client and network), and billing
information that the **user** was previously **requested** to enter, it is
possible ...also incorporates tracking mechanisms. When the page is
rendered and the Crossword program commences, a **user** is able to **use**
the keyboard and mouse to fill in letters on the Web page based on clues
. . .

...server for storage (S610). When the user later returns to that page, the
network or **client** ID is **used** to automatically fill in the letters in
the crossword that were previously selected (As in...preferred
embodiments have been described in connection with JAVA applets that are
executable on a **client** , the tracking of **user** **interaction** may be
accomplished by a client executable program written in a language other
than JAVA...program running on the server can be used to determine the
total time period the **user** has **interacted** with and displayed the Web
page...
...Server B) are different servers, this is not a requirement of the
present invention. The **network** **resource** (Web page) and the **tracking**
program may be served out by the same server...activation of the tracking
program and the uploading of a client profile based upon the **user** 's
interaction with a Web page or network resource...Also, while in the
above-described embodiments, the **client** profile is created
automatically **using** information acquired by the tracking program and
one or more CGI scripts and is stored...

...manner and/or supplemented by additional information, For example, one
such technique for creating a **client** profile is through the **use** of
HTML "fill-in" form tags. In such cases, the client profile is created
not...

...the context of Web browser software, the techniques of the invention
apply equally whether the **user** **accesses** a local area network, a wide
area network, a public network, a private network, the...

4/6,K/8   **(Item 8 from file: 654)**
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

4027519 **IMAGE Available
Derwent Accession: 1998-467071
Utility
E/ **Method and apparatus for tracking client interaction with a network
resource and creating client profiles and resource database
; IN A COMPUTER NETWORK**

Fulltext Word Count: 14664
Number of Claims: 71
Exemplary or Independent Claim Number(s): 1
Number of Drawing Sheets: 7
Number of Figures: 7
Number of US cited patent references: 8
Number of non-patent cited references: 2

Description of the Invention:
    ...Accordingly, as will be appreciated by those of ordinary skill in
the art, as **used** herein, the term " **client** " refers to a client
computer (or machine) on a network, or to a process, such...

...for example, a "client machine" can store and one or more "client
processes." The term " **user** " is **used** to broadly refer to one or more
persons that **use** a particular **client** machine...

...that utilize the Hypertext Transfer Protocol (HTTP). HTTP is a known
application protocol that provides **users** **access** to resources (which
can be information in different formats such as text, graphics, images,
sound...

...are specified via a Uniform Resource Locator or "URL". Upon
specification of a link, the **client** makes a TCP/IP **request** to the
server and receives information that was specified in that URL (for
example another...instruction sets, sound and video files in addition to
HTML documents (Web pages) to the **requesting** **client** .
    ...

...a different server than the resource, in which case it may be obtained
by the **client** through a TCP/IP **request** to the other server. The
tracking program executes on a client machine, and is stored...

...such as time, mouse events, keyboard events, and the like, in order to
track a **user** 's **interaction** with the Web page. Thus, the tracking
program may simply monitor the amount of time the **user** spends
interacting with the Web page, or may monitor details of choices (such
as links) made by...

...resource obtained over the network (or temporarily store a copy of the
resource on the **user** 's computer), and may **use** the cached copy of the
resource instead of obtaining it over the Internet when the...or all
mouse and keyboard events to provide meaningful data to the server
concerning the **user** 's **interaction** with the Web page...

...a client when the HTML document is served to the client in response to a
client TCP/IP **request** . During or after the **client** formats and
displays the Web page specified by the HTML document, the tracking
program begins...

...As illustrated, for example, in FIG. 3, the **client** issues a TCP/IP
request for a Web page located on a Server A (S301). After a handshaking
period, the...

...client leaves the Web page (S307), the tracking program calculates the amount of time the **user** has **interacted** with and displayed the Web page and sends this information to a server. Other available...rates of 64 through 128 kilobits per second, and standard phone lines, over which most **users** transmit data, currently transmit **using** modems at approximately 28.8 kilobits per second. In the case of a 640X480 pixel... makes a request for information from a server it typically includes certain information about the **client** in the "HTTP **request** header." The server receiving the request can obtain and store this information using known means...

...ID, the associated link (the URL of the Web page), the amount of time the **user** spent **interacting** with the Web page, and any selections or choices made by the **user** while **interacting** with the Web page. Thus, the above-described tracking program permits Web site administrators and ...

...a particular Web page, but also permits the accurate determination of the length of time **users** have displayed and/or **interacted** with their Web page. This is invaluable information to Internet advertisers, among others, and permits...

...of the invention is illustrated in FIG. 4. A Web page (or HTML document) is **requested** by the **client** from a first server A, using TCP/IP and HTTP protocols (S401). This HTML document...
...the Internet. These images are embedded inside the Web page using the known HTML < **IMG** > **tag** , which allows one to specify the source URL for an image, as well as additional...

...such as size and other layout parameters. These images will then be fetched by the **client** **using** TCP/IP and HTTP protocols from Server A (S402) and rendered on the browser (S405...

...a CGI script. This resource is also embedded inside the Web page using the < **IMG** > **tag** . Thus, in attempting to render the Web page, the client will automatically fetch this resource...timer of the tracking program may be used in monitor the amount of time a **user** spends **interacting** with a portion of a Web page. For example, if the Web page is provided...

...activated by clicking on a particular button, the tracking program may determine how long a **user** has **interacted** with such a selection. In the case of a Web page provided with an ad banner, the tracking program can be designed to monitor the amount of time a **user** has **interacted** with the ad banner...

...user is exposed to an ad banner having information targeted to their particular interests, the **user** is more likely to **interact** with that ad banner for a longer period of time and on a more frequent...

...the particular interests of respective users, an ad banner may include specific information permitting the **user** to **interact** in different ways with the banner. The ad banner may have pull-down menu options...

...is downloaded, as described above, with the HTML document in response to a TCP/IP **client** **request** . As above, the tracking program may monitor the amount of time the user spends displaying...

...the ad banner embedded in the Web page as a whole, but also monitors the **user** 's **interaction** with the Web page and the ad banner, such as by monitoring each of the...Previous choices made by a user on a particular client computer and stored in a **user** profile database may be **used** to determine which of the resources is to be downloaded to that **client** **using** simple logical processing instructions. For instance, a user profile which indicates that a user has...

...A particular implementation of this mechanism is illustrated in FIG. 6. A Web page is **requested** by the **client** from Server A (S601). This Web

page contains text, as well as embedded images which...

...CGI script 1, which is embedded inside the Web page using the standard HTML < **IMG** > **tag** (S603). In attempting to render the Web page, the client will automatically fetch the resource associated with the < **IMG** > **tag** on Server B, which will result in execution of the CGI script 1. This CGI...as URL), and includes information such as URL of the Web document, number of times **accessed**, identity of **clients** that **accessed** the Web document, amount of time displayed, amount of data displayed, average time displayed, number...

...In particular, a Web page is **requested** by the **client** from Server A (S701). This Web page contains text, as well as embedded images which...

...a CGI script, which is embedded inside the Web page using the standard HTML < **IMG** > **tag** (S703). In attempting to render the Web page, the client will automatically fetch the resource...

...In yet another embodiment, the tracking program is used to assemble a bill for the **user** 's **access** to information. For example, **users** who have **access** to a live news or entertainment feed may be charged according to the amount of...

...leaves. Together with the user's ID (client and network), and billing information that the **user** was previously **requested** to enter, it is possible ...also incorporates tracking mechanisms. When the page is rendered and the Crossword program commences, a **user** is able to **use** the keyboard and mouse to fill in letters on the Web page based on clues ...

...server for storage (S610). When the user later returns to that page, the network or **client** ID is **used** to automatically fill in the letters in the crossword that were previously selected (As in...

...preferred embodiments have been described in connection with JAVA applets that are executable on a **client**, the tracking of **user** **interaction** may be accomplished by a client executable program written in a language other than JAVA...

...program running on the server can be used to determine the total time period the **user** has **interacted** with and displayed the Web page...

...Server B) are different servers, this is not a requirement of the present invention. The **network** **resource** (Web page) and the **tracking** program may be served out by the same server...activation of the tracking program and the uploading of a client profile based upon the **user** 's **interaction** with a Web page or network resource...

...Also, while in the above-described embodiments, the **client** profile is created automatically **using** information acquired by the tracking program and one or more CGI scripts and is stored...

...manner and/or supplemented by additional information. For example, one such technique for creating a **client** profile is through the **use** of HTML "fill-in" form tags. In such cases, the client profile is created not...

...the context of Web browser software, the techniques of the invention apply equally whether the **user** **accesses** a local area network, a wide area network, a public network, a private network, th